THE

Board of Trade Journal.

Vol. LXXI.] December 29, 1910. [No. 735

The Offices of the Commercial Intelligence Branch of the Board of Trade are at **73, Basinghall Street,** London, E.C.—registered telegraphic address, "**Advantage, London;**" Code, **5th Edition A.B.C.**; telephone number, **12807 Central.** A statement of the objects and work of the Branch will be found on p. 647.

Attention is directed to the **Sample Room** at the above address, the latest additions to which are the following:—

Samples.	Reference in "Board of Trade Journal." Date.	Page.
Leather in small pieces, for cutting which a machine is required in Poland	29th Dec., 1910	607
Tarpaulin Canvas required by Victorian Railways	15th " "	509
Turpentine, raw, Turpentine Oil, refined, and Rosin from Japanese Sakhalin (Karafuto)...	22nd Sept., "	605
Felspar from Brazil	15th " "	550
South African Maize Crop of 1910: Standard Samples ...	8th " "	504
Reeled Silk, Waste Silk, and Cocoons from Mysore	25th Aug., "	397
Bean Oil Soap and Kaoliang Paper from Manchuria	" " "	350
Wild Silk Cocoons, Silk Thread and Silk Cloths from Manchuria	11th " "	295
Tinned Crabs from the Kurile Islands (Japan)	4th " "	246
Banana Cloth and Fibre from China	28th July, "	192
	9th Oct., "	94
Cotton Seed Flour from the United States	14th July, "	96
South American Dry Rice for Seed Purposes	2nd June, "	451
"Kieselguhr" (Infusorial Earth) from Algeria	19th May, "	346
Granite from Cape Colony	5th " "	244
Hemp Braid from Japan	28th April, "	190
Burmese "Padauk" Wood	" " "	191
Burmese "Petwun" Wood	7th " "	41

Attention is called to the following notices:—

Page.
Handbook of the Commercial Intelligence Branch 617
Register of British firms who may desire to receive **Confidential Information** relative to openings for trade 647
Visit to United Kingdom of **H.M. Trade Commissioners** from **Australia** and **New Zealand** 616
List of **Trade Enquiry Offices** in London of the Self-Governing Dominions 648

OPENINGS FOR BRITISH TRADE.

BRITISH INDIA.

Miscellaneous Stores.

The Directors of the Great Indian Peninsula Railway Company are prepared to receive tenders for the supply of the following stores, viz.:—steelwork for bridges; steel fishplates; platelayers' tools; mild steel plates, &c. for miscellaneous purposes; bolts, nuts, rivets, &c.;

fencing and signal wire strand; ropes, twines, &c.; metals; canvas; galvanised buckets and mortar pans; lamp glasses, &c. Specifications and forms of tender may be obtained at the Company's Offices, 48, Copthall Avenue, London, E.C., on payment of a fee, which will not be returned. Tenders, in sealed envelopes addressed to the Secretary at the above address, and marked "Tender for Steelwork for Bridges," or as the case may be, must be delivered not later than 11 a.m. on 5th January, 1911. The Directors do not bind themselves to accept the lowest or any tender.

CANADA.

Electric Power Plant; Telegraph and Telephone Material.

The Imperial Trade Correspondent at Toronto (Mr. F. W. Field) reports that a charter has been granted to the Central Canada Power Company, Ltd., with a capital of 10,000,000 dollars (about 2,050,000*l.*). The Company has power, among other things, to construct, acquire and work machinery and appliances for the production of electric, hydraulic or other power, and to construct and work telegraph or telephone lines. (29,749.)

Machinery for Manufacture of Knitted and Woven Goods.

Mr. Field also reports that a charter has been granted to a company, with a capital of 1,000,000 dollars (about 205,000*l.*), empowering them to manufacture all kinds of knitted and woven goods. (29,756.)

Addresses to which firms might send communications in connection with the two foregoing notices may be obtained by British makers on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

Dry Dock Material and Plant; Shipbuilding, Ship Repairing and Wrecking Plant.

The "Monetary Times" (Toronto) of 10th December states that the City Council of Sydney, Nova Scotia, has under consideration a proposal by a company controlled by local people to construct at that place a floating dry dock capable of taking vessels of 15,000 tons, ship repairing and shipbuilding shops, a berth in which can be built merchant vessels or war ships of up to 10,000 tons, and a modern wrecking plant.

* * * *

Commercial Enquiries.

The following commercial enquiries have been received at the **Offices of the High Commissioner for Canada, 17, Victoria Street, London, S.W.**, whence further information regarding them may be obtained:—

HOME ENQUIRIES.

A Birmingham firm manufacturing **oils, paints, varnishes,** &c. desire to appoint agents at Montreal, Toronto, Winnipeg and Vancouver, and in the Maritime Provinces.

A Lincolnshire firm of **hand-picked marrow-fat pea packers** desire to get into communication with wholesale grocers in Canada willing to import supplies.

Openings for British Trade.

CANADA—*continued.*

A Dundee firm manufacturing **fine jute bags** desire to get into communication with cement manufacturers and others in British Columbia who use such goods.

A London firm of wholesale clothiers who specialise in the manufacture of **boys' and girls' sailor-style garments** are desirous of appointing an agent at Montreal.

A London firm of **malt vinegar brewers and sauce manufacturers** are desirous of appointing agents in Nova Scotia and New Brunswick, and at Montreal.

Enquiry is made by a Lancashire firm manufacturing **turned taper pins for railway locomotive work,** and also **flat split cotters,** for the names of first-class firms in Canada willing to assist them in gaining Canadian business.

Enquiries have been received from United Kingdom firms for the names of first-class Canadian firms willing to do business in the following:—(*a*) **Electrical switchgear**; (*b*) **hydraulic and electric hand lifts, crabs, cranes and winches**; (*c*) **hydraulic and sanitary plant (pumps)**; (*d*) **revolving shutters and collapsible gates**; (*e*) **air compressors and refrigerating machinery**; (*f*) **steam engines, oil and gas engines, boilers and boiler house accessories**; (*g*) **staircase and pavement lights**; (*h*) **street railway cars, railway carriages, trucks, cars and wagons of all descriptions.**

CANADIAN ENQUIRIES.

A gentleman is visiting London on behalf of a Canadian annual publication dealing with **architects' and builders' supplies,** and would like to call on United Kingdom manufacturers of goods for which there is a market in the Dominion.

A British Columbia firm are in the market for 200,000 lbs. of **cork board,** two or three inches thick, as insulating material for cold storage purposes.

A Toronto correspondent is desirous of taking up the representation of United Kingdom manufacturers of **stationery, office supplies** and **lithographed advertising matter.**

A New Brunswick firm ask to be placed in communication with United Kingdom manufacturers of **bi-carbonate of soda** and **sal-soda.**

A Winnipeg firm of manufacturers' agents and importers, having branches at Montreal and Toronto, are desirous of securing the representation of a United Kingdom manufacturer of a good **cereal or breakfast food,** not already sold in Canada; also the representation of a firm manufacturing **high-class rubber goods** such as **hot water bottles, syringes,** &c. A representative is in London at the present time.

A Toronto firm make enquiry for the name of a United Kingdom **envelope** manufacturer.

Enquiry is made by a Canadian firm for the name of a firm in Great Britain manufacturing **pins,** and also **pin "pyramids"** for office use.

A firm in the Province of Ontario are desirous of being placed in communication with a firm in England who manufacture **metallic frames for lead pencils.**

Openings for British Trade.

CANADA—*continued.*

Enquiry is made by a Toronto firm of manufacturers' agents for the names of United Kingdom manufacturers of **groceries, stationery, fancy leather goods, druggists' sundries, confectionery,** &c. who are desirous of doing Canadian business. Samples are required, and consignments of selected articles would be purchased.

A New Brunswick correspondent would like to get into communication with manufacturers in Great Britain of **malt flour** and other supplies used by bakers.

A Toronto firm of manufacturers' agents are desirous of taking up the sale in Canada of **high-class specialities** from the United Kingdom.

A manufacturers' agent and importer at Vancouver, offering several English references, is desirous of securing the representation of United Kingdom manufacturers desirous of doing business in British Columbia.

Enquiry is made by persons in the Province of Ontario for the names of mattress and furniture manufacturers and others in Great Britain in a position to import supplies of "**Excelsior.**"

☛ **Note.—For further information regarding any of the above, application should be made to the High Commissioner for Canada, 17, Victoria Street, London, S.W.** (29,643.)

AUSTRALIA.

Telegraph Cable.

H.M. Trade Commissioner for Australia (Mr. C. Hamilton Wickes) reports that tenders will be received at the office of the Deputy Postmaster-General, Melbourne, up to 3 p.m. on 21st February, 1911, for the supply of 29 miles of lead covered, paper insulated telegraph cable (Schedule No. 404). *A deposit of 5 per cent. of the amount of the offer up to 1,000l., and 2½ per cent. of the amount beyond that sum will be required with each tender. Local representation is necessary.*

For copies of the specification and form of tender, application should be made to the High Commissioner in London for the Commonwealth of Australia, 72, Victoria Street, S.W., where also preliminary deposits may be paid. A copy of the specification may be seen by British makers at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,747.)

Hydro-Electric Generator, Transmission Line, and Pumping Machinery.

The New South Wales "Government Gazette" of 2nd November notifies that tenders are invited, up to 2 p.m. on 16th January, 1911,* by the Public Works Department at Sydney, New South Wales, for the supply of a hydro-electric generator, transmission line and pumping machinery for use in connection with the water supply to towns north of Wollongong (Contract No. 951). Tender forms and all particulars can be obtained from the Contractors' Room, Public Works Department, Sydney.

* See note on next page.

Openings for British Trade.

AUSTRALIA—*continued.*

Electric Elevators.

The same issue of the "Gazette" also states that tenders are invited by the New South Wales State Railways Administration for the supply and erection of two electrically-worked elevators for the Tramway Repair Shops, Randwick. Tenders, endorsed "Tender for Elevators," will be received at the office of the Chief Commissioner, New South Wales State Railways, Sydney, up to noon on 30th January, 1911.* Further particulars can be obtained on application to the Electrical Engineer's Office, 61, Hunter Street, Sydney.

Railway Material.

The Commercial Intelligence Branch of the Board of Trade is in receipt of a copy of a report by the Railways Commissioner of South Australia on proposed railways from Goodwood to Brighton, 6 miles long, and from Brighton to Willunga, 23 miles long. The gauge is to be 5ft. 3ins., and new 60lb. rails are to be used. The cost of construction of the first line is estimated at 51,500*l.*, and the cost of rolling stock at 33,110*l.* The construction of the second line is estimated to cost 341,000*l.*, and the necessary rolling stock 39,550*l.*

Slaughterhouse Plant and Equipment.

With reference to the notice on p. 608 of the "Board of Trade Journal" of 30th December, 1909, relative to the projected erection of a municipal slaughterhouse at Adelaide, the Commercial Intelligence Branch of the Board of Trade is now in receipt of the report of a select committee of the South Australian House of Assembly on the Metropolitan Abattoirs Act Amendment Bill. The committee report favourably on the proposal in the Bill that the loan expenditure authorised for the erection and equipment of the abattoirs shall be increased from 100,000*l.*, as provided in the Metropolitan Abattoirs Act, 1908, to 250,000*l.*

NEW ZEALAND.

Cast-Iron and Steel Pipes and Fittings.

H.M. Trade Commissioner for New Zealand (Mr. G. H. F. Rolleston) reports that tenders are invited by the City Council of Wellington for the supply of cast-iron and steel pipes and fittings required for the duplication of a portion of the water supply system. The mains required to be duplicated are partly 15 inch and partly 12 inch. Tenders, marked "Tender for Pipes and Fittings," will be received by the Town Clerk, Wellington, New Zealand, up to 4 p.m. on 9th February, 1911. *A deposit of* 1,000*l. will be required with each tender, and the tenderer must also give the names of two sureties. The successful contractor will be required to have a resident representative in New Zealand.*

A copy of the specification and conditions of tender, together with drawings, may be seen by British makers at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,233.)

* It will be observed that the limited time for the receipt of tenders will not permit of their being despatched by post, and these intimations are therefore only of use to those firms having agents in Australia whom they can instruct by cable.

Openings for British Trade.

NEW ZEALAND—*continued.*

Centrifugal Pumps.

H.M. Trade Commissioner also reports that an engineer at Westport makes enquiry for catalogues and prices of the latest type of high lift centrifugal pumps suitable for gearing to any form of motor.

The name and address of the engineer in question may be obtained by British makers on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,758.)

SOUTH AFRICA.

Mechanical Tar-Spraying Machines.

H.M. Trade Commissioner for South Africa (Mr. R. Sothern Holland) reports that tenders are invited by the Johannesburg Municipality for the supply and delivery of two mechanical tar-spraying machines. Tenders will be received at the Municipal Offices, Johannesburg, up to noon on 3rd February. (29,732.)

Cast-iron Pipes.

The Corporation of Durban are prepared to receive tenders for the supply and delivery f.o.b. of 425 tons of cast-iron pipes of 18 in., 15 in. and 12 in. diameter. Sealed and endorsed tenders must be delivered to the agents to the Durban Corporation, Messrs. Webster, Steel & Company, 5, East India Avenue, Leadenhall Street, London, E.C., not later than 9th January, 1911. Specifications can be obtained on application to the above address on deposit of two guineas, which will be returned on receipt of a *bonâ fide* tender. (29,591.)

Agricultural Requisites.

See notice on pp. 630-1.

MALTA.

Lead for Jointing Cast-Iron Pipes; Hospital Iron Bedsteads.

The Crown Agents for the Colonies notify that sealed tenders will be received at the office of the Receiver-General and Director of Contracts, Valletta, up to 11 a.m. on 12th January, 1911, for the supply of (1) lead in pigs for jointing cast-iron pipes; and (2) hospital iron bedsteads. *Deposits of 20l. and 5l. respectively are required to qualify tenders.*

Particulars, specifications, &c. may be obtained on application to the Crown Agents for the Colonies, Whitehall Gardens, London, S.W. (29,380; 29,763.)

RUSSIA (POLAND).

Agricultural Implements and Machinery.

H.M. Consul at Warsaw (Mr. C. Clive Bayley) reports that a firm at that place desire to obtain agencies for British manufacturers of the following articles:—Portable engines, and steam power and horse worked thrashing machines; chaff cutters, chopping knives, grinders; mowers, harvesters, reapers and binders; potato diggers

Openings for British Trade.

RUSSIA (POLAND)—*continued.*

horse rakes, with and without seats for driver; straw and hay elevators; turf cutting machines; turf presses.

The name and address of the firm may be obtained by British firms on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. Any further communications in connection with the enquiry should be addressed to the British Consulate, Warsaw. (29,214.)

Leather Cutting and Grinding Machinery.

H.M. Consul also reports that a firm at Warsaw desire to get into touch with a British manufacturer who could supply (1) machinery for cutting leather into small pieces for the manufacture of polishers for iron and steel; and (2) machinery for grinding leather into pulp to be used for making heels for boots. The firm in question would be prepared to pay cash against documents for the machinery they require.

The name and address of the firm may be obtained, and samples of the leather as it should come out of the machines seen, by British manufacturers at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,540.)

NORWAY.

Bed Plates; Flat Iron Plates.

H.M. Consul at Christiania (Mr. E. F. Gray) reports that tenders* are invited by the Norwegian State Railways Administration, up to 3 p.m. on 20th January, for the supply of 115,000 bed plates and 50 flat iron plates. Tenders, marked "Anbud paa underlagsplater," should be addressed to "Styrelsens Expeditionskontor, Statsbanerne," Christiania.

Copies of the conditions of tender (in Norwegian), together with drawings, may be seen by British makers at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,745.)

DENMARK.

Gas Coal.

H.M. Consul at Copenhagen (Mr. L. C. Liddell, M.V.O.) reports that tenders are invited by the Copenhagen Lighting Corporation for the supply of about 225,000 tons of prime gas coal during the ten months March to December, 1911. Tenders, marked "Tilbud paa Kul," will be received at the "Direktören for Belysningsvæsen, Raadhuset," Copenhagen, B., up to noon on 14th January.

A copy of the conditions of delivery (in English) may be seen by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,764.)

* It should be noted that in all Norwegian Government contracts a preference of from 10 to 15 per cent. (apart from Customs duties) is given to Norwegian manufacturers, and that it is obligatory that a resident agent (not necessarily a Norwegian firm) should act for tenderers not residing in Norway.

Openings for British Trade.

NETHERLANDS.

Mine Wagons.

H.M. Consul at Rotterdam (Mr. H. Turing) reports that tenders will be received at the offices of the State Mines, Heerlen (Limburg), up to 3 p.m. on 14th January, for the supply of 360 complete mine wagons, or 360 bodies of wagons and underframes with wheels separate.

Copies of the specifications and drawings may be obtained from Mr. J. Alberts, Heerlen, on payment of 1·50 fl. (2*s.* 6*d.*). (29,657.)

NETHERLANDS EAST INDIES.

Water Supply Works.

The "Bulletin Commercial" (Brussels) of 17th December notifies, on the authority of the Belgian Consul at Batavia, that arrangements are being made for supplying the town of Padang with drinking water. It is proposed to take the water from beyond Taratak, in the Loeboek Kilangen district, and to construct reservoirs at Soebarang Padang, whence it will be duly distributed. There is also a project on foot to establish water works at Fort de Kock for supplying the villages of Kota Gadang and Sianok with drinking water.

SWITZERLAND.

Electric Tramway Material.

The "Feuille Fédérale Suisse" of 21st December contains a decree granting to the Zurich-Oerlikon-Seebach Electric Tramway Company permission to extend their lines from Oerlikon to Affoltern, near Zurich, and from Schwamendingen to Dübendorf. The total length of line is about 10 miles, and the cost of the work is estimated at 991,000 francs (39,640*l.*).

SPAIN.

Fertilisers.

H.M. Embassy at Madrid report that the Spanish Sugar Trust invite tenders for the supply, during 1911, of the following fertilising material:—3,600 tons of superphosphate, 300 tons of sulphate of ammonia, and 700 tons of nitrate of soda. Tenders, which will be received up to 6 p.m. on 2nd January, should be addressed to the "Señor Director de la Sociedad General Azucarera de España, Alarcón, 3," Madrid. This contract is open to foreign competition.

A copy of the specification containing further particulars may be seen by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,695.)

Dried Fish.

With reference to the notice on p. 45 of the "Board of Trade Journal" of 6th October relative to dried fish imports at Bilbao, the British Acting Consul at Bilbao (Mr. J. Innes) reports that, whereas years ago the best quality of fish imported into Bilbao came from Scotland, largely from the Shetland Islands, during the last decade the real Scottish article is said to have gradually dropped out of the market and is now little imported.

Openings for British Trade.

SPAIN—*continued.*

The good name is still taken advantage of, however, by retailers, who sell as Scottish fish coming from the Faroe Islands, Iceland, and Norway.

Material for Manufacture of Fertilisers.

H.M. Consul at Malaga (Mr. P. Staniforth) reports that two important factories have been started in that district for the production of fertilisers, and during 1909 23,000 tons of raw materials, such as nitrates, superphosphates, &c., were imported for their use. There is a large demand springing up for artificial manures in general. French firms have taken the lead in this trade, which promises to become important in the Malaga district.

The British Vice-Consul at Almeria (Mr. J. Murison) reports that 245 tons more of chemical products for manures were imported there from the United Kingdom in 1909 than in the preceding year, and that the imports from Belgium increased from 70 to 850 tons, there being a single shipment of 500 tons from Antwerp. The bulk of the shipments of these products is for the province of Granada, where beetroot for the manufacture of sugar is extensively cultivated. As it is a growing trade, it may be worth some attention on the part of British manufacturers.

ITALY.

Railway Material.

With reference to the notice on pp. 369–70 of the "Board of Trade Journal" of 25th August relative to the proposed construction of the Calabro-Lucanian (Basilicata) railway, H.M. Consul at Naples (Mr. S. J. A. Churchill, M.V.O.) has now reported the award of the contract. The name of the contractor may be obtained by British firms on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,352.)

Jute Cloth.

The "Gazzetta Ufficiale" (Rome) of 17th December contains a notice, issued by the Tobacco Monopoly authorities in Rome, inviting tenders for the supply of 100,000 lineal metres of jute cloth, 65 cm. wide. The upset price is put at 32,000 lire (1,280*l.*), a deposit of 10 per cent. of which amount will be required to qualify tenders. Tenders, which will be opened on 3rd January, should be addressed to the "Direzione della Manifattura dei Tabacchi," Rome.

Note.—Only invited firms whose names are on the Government lists are generally allowed to tender. Personal representation is practically necessary.

Railway Material.

The "Gazzetta" of 19th December contains a notice, issued by the Italian State Railways Administration, inviting tenders for the construction of a section, about one mile long, from Riofreddo to Cagnolina, forming part of the Cuneo to Ventimiglia railway (French-Italian

Openings for British Trade.

frontier). The upset price is put at 1,730,000 lire (69,200*l.*). Tenders will be opened on 3rd February at the offices of the "Direzione Generale delle Ferrovie dello Stato, Via Ludovisi 16," Rome.

Although the above contract will in all probability be awarded to an Italian firm, nevertheless the carrying out of the works may involve the purchase of some materials out of Italy.

AUSTRIA-HUNGARY.

Gas Works Construction; Plant and Rolling Stock for Transport of Coal and Coke; Gasometers.

With reference to the notice on p. 211 of the "Board of Trade Journal" of 3rd November last relative to an invitation by the City Authorities of Budapest for the supply and erection of (1) gas works; (2) the plant and rolling stock required for the transport of coal and coke; and (3) two gasometers, H.M. Consul-General at Budapest (Mr. Esme Howard, C.V.O., C.M.G.), now reports that the final date for the receipt of tenders in the case of (2) and (3) has been changed to 16th March, and the address to which tenders are to be sent is now "Dr. Johann Buzáth, Központi Városház, IV. Városház utcza 16, II em.," Budapest. Tenders for (1), however, must still be sent to "Mr. Bátor Piperkovits, Leiter der Zweiten Magistrats Sektion, Központi Városház, II. Stock, Tür 256," Budapest, to arrive not later than noon on 28th January. (29,348.)

Railway Material.

The official "Reichsgesetzblatt" of 21st December notifies the grant to the communal authorities of Dubrovnik (Ragusa) of a concession for the construction and working of a light railway from Gruz (Gravosa) to Dubrovnik. Twelve months are allowed for the completion of the work. The concession is for a term of 90 years.

Saw Mill Machinery.

The "Oesterreichischer Zentral-Anzeiger" (Vienna) of 18th December announces that at a meeting recently held in Banjaluka, under the presidency of Lazar Milíc, timber merchant, a new company was formed for the purpose of working the timber forests in Bosnia. The initial capital was fixed at 500,000 kronen (20,800*l.*), but this is to be raised eventually to 2,000,000 kronen (83,300*l.*).

Water Mains.

The "Zentral-Anzeiger" of 22nd December states that the communal authorities of Essegg have decided to lay water mains from the Danube to the town. The cost of the work is estimated at 2,000,000 kronen (about 83,300*l.*), and operations will be commenced next spring.

BULGARIA.

Street Paving.

According to the "Oesterreichischer Zentral-Anzeiger" (Vienna) of 22nd December, tenders will be opened at the "Gemeindeverwaltung der Stadt Sofia," Sofia, on 1st February, for the construction of footpaths, and on 2nd February, for street-paving. The upset prices are put at 800,000 francs (32,000*l.*) and 4,350,000 francs (174,000*l.*) respectively.

Openings for British Trade.

TURKEY.

Dam Construction, &c.

H.M. Consul-General at Constantinople (Mr. H. C. A. Eyres) reports that tenders are invited by the Turkish Ministry of Public Works for the construction of the following public works in the vilayet of Baghdad:—

Hindié Dam:—(*a*) The establishment, on one of the branches of the Euphrates, of a dam with 36 sluices and a lock for navigation;

(*b*) the strengthening of the present Hindié dam by training the canal into its right course and providing the dam with seven sluices and a lock for navigation;

(*c*) the building of a dam with ten sluices on the Hillé canal as soon as the latter shall have been trained into its proper course;

(*d*) earthworks (excavation, filling, &c.) for the training of the Euphrates and of the Hindié and Hillé branches; dykes and other works necessary for the forcing of the waters of the river into the new bed provided for them.

Habbanie Overflow Canal:—(*a*) The construction of a dam across the Habbanie discharge canal;

(*b*) earthworks (excavation, filling, &c.) connected with the discharge canal.

The undertaking comprises all masonry required in earthworks, and the metal parts of all the works above mentioned.

Copies of the specification (in French) and plans may be obtained from the "Ministère des Travaux Publics," Constantinople, on payment of £T1 (18*s*.). *See Note below.* (29,117.)

Electric Tramway and Electric Power Concessions.

With reference to the notice on p. 516 of the "Board of Trade Journal" of 15th December relative to a call for tenders for the construction and working of electric tramways in Adana, and for the distribution of electrical energy in the vilayet of Adana, H.M. Consul-General at Constantinople (Mr. H. C. A. Eyres) has now forwarded a copy of the *cahier des charges* in this connection. A deposit of £T5,000 (4,500*l*.) will be required from each tenderer, who must also supply proof of his financial and technical capacity for the work. Tenders will be received at the Ministry of Commerce and Public Works, Constantinople, up to 1 p.m. on 14th March, 1911.

The copy of the *cahier des charges* (in French) may be seen by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. *See Note below.* (29,744.)

Note.—Local representation is essential in the case of Turkish Government contracts. A list of British commission agents established in Constantinople may be obtained by British firms on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

Openings for British Trade.

TURKEY—*continued.*

Building and Furnishing Materials.

According to the "Handelsmuseum" (Vienna) of 15th December, it has been decided to establish a new Army Corps at Uskub, and in consequence building operations on a considerable scale will have to be undertaken, including the erection of barracks, hospitals, &c. It is expected that military buildings will have to be erected also in other towns in the Cossovo Vilayet.

PERSIA.

Matches.

Mr. N. Worrall, Assistant in H.M. Consular Service, referring to a brand of Swedish safety matches which is much esteemed in the Bushire market on account of its cheapness, states that a really good safety match would be welcome in this district, but the price must not exceed 200 krans (about 4*l.*) per case of 50 gross c.i.f. Bushire, calculating some 65 matches to a box.

Flour Mill.

There might possibly be an opening in Bushire for a small flour mill worked by machinery.

Sugar; Piece Goods; Enamelware; Gold Thread; Imitation Jewellery. See notice on p. 618.

MEXICO.

Irrigation Works Material.

The following is an extract from a report prepared by the Belgian Legation at Mexico, and published in the "Bulletin Commercial" (Brussels) of 17th December :—

For some considerable time the Mexican Government have been discussing the question of a comprehensive scheme of irrigation for the purpose of developing the agricultural resources throughout the country. There is no doubt that in many places the yield of agricultural produce would be trebled by a suitable system of irrigation. It appears that a new Bill has just been laid before Parliament, the effect of which is that the Government will take in hand, on behalf of farmers, surveying operations for land irrigation, and therefore it is not anticipated that land proprietors will have any difficulty in obtaining the necessary capital to carry out the work. Investigations have already been conducted on an extensive scale, and a classification has been made comprising at present ten zones, each of which will be under separate management, but under the central control of the Ministry of Fomento. It is anticipated that the scheme will cost 1,500,000 pesos (153,000*l.*) per annum, divided between the ten zones. The Bill stipulates that, before work is actually begun, those who will benefit thereby shall guarantee to pay the interest on the capital invested.

Openings for British Trade.

MEXICO—*continued.*

Saw Mill Plant.

The "Mexican Herald" of 26th November states that a project is on foot with a view to establishing lumber mills at Mazatlán and Guaymas to take timber from British Columbia and Oregon, which it is stated could be towed along the coast from the Columbia river to Mexico.

(29,209.)

PANAMA.

Hardware and Tools; Cast-iron Pipes.

The British Acting Consul-General at Panama (Mr. H. O. Chalkley) reports that the share of the United Kingdom in the trade in hardware and tools has been diminishing, while the United States tends to monopolise the market. The reasons given for the change are the much quicker delivery obtained from the United States, and the large American colony who demand the articles they are used to. Even Jamaican carpenters and mechanics are used to United States tools and ask for them. Tools and small articles of hardware must be packed in small wooden and cardboard boxes for the Panama market. Merchants are willing to pay extra for this, and object to the British system of packing in paper packets, which they have to open for every prospective purchaser, and then take the trouble of making up new packages or allow the articles to deteriorate, which they quickly do in the excessively damp climate of Panama.

Mail Order Business—Jewellery, Fancy Goods, &c.

See notice on p. 618.

* * * *

Boots and Shoes.

The British Acting Vice-Consul at Colon (Mr. D. F. S. Filliter) reports that the boots and shoes imported there, with the exception of a small quantity of slippers from France and China, are almost exclusively of United States make. United States manufacturers study the anatomical formation of the foot according to race, and possess lasts adapted to the foot of each nationality; in so heterogeneous a community as that of Colon, comprising as it does Chinese, negroes, Europeans, Hindus, and natives of North and South America, this is an important factor in success.

Shoes of patent leather are not at present imported, their place being taken by an American material known as "colt," which is heavier and less suitable for the climate; it is not impossible that British patent leather shoes, if made in accordance with the demands of the locality as regards shape and finish, might command a market. Canvas shoes with string soles, "alpargatas," are imported from the North of Spain, and are stated to be in great demand among the lower classes.

Openings for British Trade.

BRAZIL.

Wood Fuel.

The British Acting Consul-General at Rio de Janeiro (Mr. E. Hambloch) reports by cable that, according to the "Diario Official" of 23rd December, tenders will be received, up to 14th January, by the Minas Western Railway Authorities for the supply of wood fuel.

It will be observed that the limited time for the receipt of tenders will not permit of their being despatched by post, and this intimation is therefore only of use to those firms having agents in Brazil whom they can instruct by cable.

BOLIVIA.

Electric Lighting and Power Installations.

The British Vice-Consul at Sucre (Mr. E. F. Moore) reports that the contract for the electric lighting and power installations for Potosi has been given to a local firm, who probably have obtained the concession for some European concern. Work is already in progress on the reservoirs and canals. Good opportunities for similar installations, as described in the Sucre consular report for the year 1907 (Foreign Office, Annual Series, No. 4,128) are still to be found in the mining districts, but intending contractors would do well to study personally the special conditions obtaining in Bolivia.

Motor Traction.

Mr. Moore further states that when, in the course of the next two years, Potosi is connected by rail with the main line from Antofagasta, Sucre will be placed within 90 miles of a railway station. It will then be very advantageous to have the road between Sucre and Potosi in such a state as to enable wheeled traffic to pass without any interruption both in the wet and dry seasons. The Government are seeing to the road with this end in view, and it is considered that a service of motor driven vehicles, both for passengers and goods, would be a paying concern if monopolised on that road. The monopoly conceded in November, 1908 (*see* Foreign Office, Annual Series, No. 4,310) embraces this section, but the concessionaire has not up to the present time fulfilled any of the terms of the contract, and if he should not do so within another year's time the concession will lapse.

ARGENTINE REPUBLIC.

Building Material; Revolvers.

The "Boletin Oficial" of 23rd November publishes a law granting, in favour of the Department of the Interior, a credit of 364,384 pesos (about 32,000*l.*) for the erection of fire stations in Buenos Aires, and 149,000 pesos (about 13,000*l.*) for the purchase of revolvers for the Buenos Aires police force.

EXHIBITIONS.

NETHERLANDS.

International Exhibition of Office Requirements and Organisation at Amsterdam.

H.M. Consul at Amsterdam (Mr. W. A. Churchill) reports that an International Exhibition of office requirements and organisation is to be held at that city from April to June, 1911, under the auspices of the Netherlands Society of Exhibitors. For particulars of the Exhibition, application should be made to the "Secretaris, Nederlandsche Vereeniging van Exposanten, Keizersgracht 257," Amsterdam. (28,720.)

FRANCE.

International Exhibition at Le Mans.

The British Acting Consul at Rouen reports that an international exhibition is to be held at Le Mans for a period of five months from 15th May, 1911. The exhibition will include exhibits relating to industry, commerce, agriculture, science, art, sports and touring. Foreign exhibits, provided that they are re-exported within one month of the closing of the exhibition, will be admitted free of duty, and carried on the French railways at half the usual freight rates. Applications for space should be addressed to "M. le Directeur Général de l'Exposition de l'Ouest de la France," Le Mans.

A copy of the programme (in French) may be seen by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (29,202.)

UNITED STATES OF AMERICA.

International Municipal Congress and Exhibition at Chicago.

H.M. Consul-General at Chicago (Mr. H. D. Nugent) reports that an International Municipal Congress and Exhibition is to be held at Chicago from 18th to 30th September next. The exhibits will be limited to manufactures, &c. required in connection with municipal government and services, including road-making and paving of all descriptions, sewage systems, garbage collection, incinerating, street cleaning, fire departments, hospitals, jails and public buildings, telephones, &c. Applications for space should be addressed to Mr. E. H. Allen, General Manager, International Municipal Exposition, 1,107–8, Great Northern Building, Chicago.

Some further particulars may be seen by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (28,577.)

BRITISH TRADE WITH AUSTRALASIA:

Visit to the United Kingdom of H.M. Trade Commissioners.

Arrangements have been made by the Board of Trade for the temporary return to this country, early next year, of His Majesty's Trade Commissioners in Australia (Mr. C. Hamilton Wickes) and New Zealand (Mr. G. H. F. Rolleston) with a view to visiting the principal industrial centres of the United Kingdom, and giving British manufacturers and merchants an opportunity of consulting them with regard to trade conditions and openings in the Dominions referred to. Chambers of Commerce and other representative commercial associations desirous of arranging for such visits should place themselves in communication with the Director of the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C., before the end of January next if possible. Arrangements have been made for the carrying on of the work of the Trade Commissioners' offices at Melbourne and at Wellington as usual during the absence of the Commissioners in this country.

One of the principal duties of His Majesty's Trade Commissioners is to report to the Board of Trade promptly, and if possible in advance, any opportunities which may arise in the Dominions in the form of contracts open to tender, or in any other way for the development of British trade. The Commissioners also report to the Board periodically on the nature and extent of foreign competition and other matters of commercial interest, including changes in Customs duties and regulations, financial and trade conditions, changes in regard to means of transport, and legislation affecting trade and commerce; and they furnish periodically lists of probable buyers of European goods in the Dominions. A good deal of the information so furnished is published by the Board's Intelligence Branch in the weekly "Board of Trade Journal," some is communicated to Chambers of Commerce likely to be specially interested and to those British firms whose names are inscribed in the Special Register of the Intelligence Branch, and some—*e.g.*, lists of names of traders at particular places, detailed Customs regulations affecting particular matters, and similar information of limited interest—is filed at the Intelligence Branch for the information of persons interested who apply, either personally or by letter.

The Trade Commissioners also reply directly to all enquiries which may be addressed to them directly by British merchants and manufacturers. The number of these direct enquiries is increasing rapidly, but it is generally desirable that enquiries should be made through the Commercial Intelligence Branch (73, Basinghall Street, E.C.), which is often in possession of the information sought and is thus in a position to save the enquirer much delay.

HANDBOOK OF THE COMMERCIAL INTELLIGENCE BRANCH OF THE BOARD OF TRADE.

The Board of Trade have issued a new edition of the Handbook to their Commercial Intelligence Branch, the first edition of which was published in December, 1906.

The Handbook explains the object for which the Commercial Intelligence Branch was originally formed, and enumerates, under general headings, the subjects on which the Branch is prepared to supply information to British manufacturers and traders, on enquiry, either personally or by letter. Particulars will be found in it of the sundry samples on view at the Branch, of manufactured articles and raw products likely to be of interest to British manufacturers. It also contains lists of the principal official returns, trade directories, &c. which may be consulted at the Branch; and lists of the British Chambers of Commerce established in foreign countries, and of the Colonial Trade Enquiry Offices in the United Kingdom.

The Handbook further contains a statement as to the duties of the Trade Commissioners who have been appointed by the Board of Trade in Canada, Australia, New Zealand, and the Union of South Africa, and a list of the local Trade Correspondents in British Colonies, together with information as to the work of His Majesty's Commercial Attachés and Consular Officers and their relation to the Branch.

Attention is particularly directed to the system which has been adopted for supplying confidential information* (chiefly as to openings abroad for British trade) to firms whose names are inscribed in a "Special Register" kept in the Commercial Intelligence Branch. Information of the nature referred to is circulated to firms on the Register as received, but the Branch is always prepared to deal with applications from firms for specific information in the interests of British trade, whether the applicants' names are enrolled on the Register referred to or not.

Copies of the Handbook may be purchased, price 2*d.*, from Messrs. Wyman & Sons, Ltd., Fetter Lane, London, E.C.; or Messrs. Oliver & Boyd, Tweeddale Court, Edinburgh; or Messrs. E. Ponsonby, Ltd., 116, Grafton Street, Dublin.

BRITISH TRADE ABROAD.

New Zealand.—The attention of H.M. Trade Commissioner for New Zealand (Mr. G. H. F. Rolleston) has been called to the fact that New Zealand firms forwarding orders to British manufacturers are often inconvenienced by want of advice of the shipment of the goods ordered, and he points out that it would be of great assistance to firms in the Dominion if advice were sent, as soon as possible after the receipt of an order, of the date, or even probable date, of shipment and the name of the ship. Mr. Rolleston adds that he is informed that sometimes the first knowledge of the completion of an order is given by the arrival of the goods in New Zealand. (29,249.)

* * * *

Egypt.—The "Frankfurter Zeitung" of 15th December, quoting from a report received from Cairo, states that in consequence of the

* See p. 647.

good cotton crop an improvement in the general economic condition of Egypt may be predicted. Capitalists who have been in the habit of confining their attention to the Nile Valley are showing a disposition to come to the assistance of agriculturalists in other parts of Egypt, who are in search of loans for the extension of their business. Easy money conditions are also having the effect of increasing the purchasing capacity of the entire population, who are evincing a desire to adopt a better standard of living. The "Zeitung" adds that the present is a favourable opportunity to do good business in Egypt, providing it is done through reliable agents. (X. 908.)

* * * *

Persia, Lingah.—The following information has been received from H.M. Vice-Consul at Lingah (Mr. R. H. New):—

The trade of Lingah is practically only local, but British merchants might do much more if cheaper articles could be supplied, as British goods have a reputation and are generally preferred. There is very little demand, however, for even average class goods, but always a ready sale for "trash" and rubbishy goods.

For successful competition, prices must compare with those of firms of other countries, even at the expense of quality. This applies particularly to piece goods and enamelware. Practically no British sugar, soft or loaf, is imported. If the price can be lowered to that of Continental sugars, much could be done to capture the entire trade in this commodity.

There is an opening for cheap imitation jewellery.

* * * *

Panama.—The British Acting Consul-General at Panama (Mr. H. O. Chalkley) suggests that, in view of the establishment of a parcel post convention between the United Kingdom and the Republic of Panama, it should be possible to develop a considerable **mail order business** in all articles of personal use which can be sent through the post, especially as no Consular fees are payable, and the import duty is only 10 per cent. *ad valorem* on the declared value, while in the case of parcels consigned to employés of the Isthmian Canal Commission no duty at all is payable. Americans accustomed to paying prices ruling in the United States would undoubtedly welcome the opportunity of obtaining such articles as jewellery, fancy goods, silverware, finer articles of apparel, ladies' specialities, athletic requisites, and books, at British prices. The names and addresses of the employés occupying the higher positions are published in a local paper, of which the Consulate-General will be pleased to send a copy to any British firms interested who desire to send circulars and catalogues. With regard to clothing, any tailoring establishment which cuts American styles, and which would appoint an agent in the Canal zone to exhibit samples and take measurements, might obtain a large business. This is already done by some American houses. The catalogues of any British firms interested in the export mail order business would be exhibited at the Consulate-General.

Many British West Indians and others order small articles, such as

British Trade Abroad.

silver ornaments, jewellery and fancy goods, from the United Kingdom, and undoubtedly this business could be developed. Instances have been brought to the notice of the Acting Consul-General where goods of this nature have not been sent by parcel post as was intended by the purchaser, although sometimes not specifically stated, but have been sent out as ship's parcels, on a parcels receipt without a Consular invoice. This course renders the recipient liable to a fine of 1*l.* before delivery of the parcel can be obtained.

SUGAR PRODUCTION OF EUROPE.

The following particulars of the production of sugar in Europe for 1909-10 and *estimates* for 1910-11 are taken from a report by the International Sugar Commission, published in the "Frankfurter Zeitung" of 20th December :—

—	Actual Yield. 1909-10.	Estimated Yield. 1910-11.
	Metric Tons.	Metric Tons.
Germany	2,037,397	2,502,410
Austria-Hungary	1,245,608	1,541,800
France	803,006	714,450
Belgium	248,403	280,000
Netherlands	194 822	214,700
Russia	1,123,594	2,115,000
Sweden...	127,000	171,000
Other countries	312,240	408,200
	6,092,070	7,947,560

(X. 1,183.)

FOREIGN TRADE OF BURMA IN 1909–10.

The following particulars respecting the foreign sea-borne trade of Burma during the year ended 31st March, 1910, have been taken from the Report by the Chief Collector of Customs at Rangoon on the Maritime Trade and Customs Administration of Burma for 1909-10 :—

The main features of the foreign trade were (1) the depression of the import trade, mainly in cotton, woollen, and silk goods, produced by the overstocking of the market in the previous year, and (2) the partial revival of the export trade, due to larger shipments of rice and mineral oil. It may be noted that there were indications of an improvement in the import trade towards the close of the year. The shipments of rice to Bengal (coasting trade) were smaller, owing to improved famine conditions in that Province, but the loss was more than counterbalanced by larger shipments to foreign ports.

The following table shows the values of some of the principal articles of merchandise (exclusive of Government stores) imported into Rangoon* in the foreign trade during the years ended 31st March, 1909 and 1910, together with the corresponding average values for the five years ended 31st March, 1908 :—

Foreign Trade of Burma in 1909-10.

Articles.	Average for the Five Years ended 31st March, 1904–8.	Year ended 31st March, 1909.	Year ended 31st March, 1910.
	Rupees.	Rupees.	Rupees.
Cotton, manufactures of	24,720,096	34,939,062	26,085,967
Metals	10,111,754	13,885,945	12,864,958
Provisions	6,2[illegible]9,191	8,303,701	8,307,554
Silk, and manufactures of	5,869,338	8,863,779	6,829,845
Machinery and millwork	3,491,668	4,857,140	5,663,660
Sugar	3,518,823	4,732,740	5,119,236
Hardware and cutlery...	3,234,525	4,675,023	4,030,360
Liquors	3,661,462	4,122,020	3,483,618
Wool, manufactures of	4,023,534	6,587,944	2,576,857
Drugs, medicines and narcotics ...	1,470,702	2,146,428	2,520,086
Matches	1,090,898	1,091,370	1,471,548
Paper and pasteboard	657,748	1,132,262	1,156,664
Earthenware	754,754	1,138,576	1,017,591
Soap	575,843	888,689	1,015,746
Building materials	741,887	1,346,857	1,004,733
Oils	1,301,820	1,432,264	1,003,528
Salt	954,117	1,037,038	982,682
Instruments, apparatus, appliances, &c.	784,467	1,121,844	850,453
Chemicals	761,259	689,056	844,277
Paints, colours, &c.	589,433	694,842	664,551
Glass and glassware	649,083	691,736	599,457
Carriages, carts, &c., and parts thereof	538,332	578,919	553,315
Stationery	380,831	482,648	379,097
Toys and requisites for games ...	287,334	360,487	352,273
Cordage and rope of vegetable fibre, &c.	262,765	455,964	336,325
Candles	177,136	159,751	172,183
Other articles	12,704,060	22,263,182	16,741,903
Total merchandise	89,582,860	128,679,267	106,628,467

* Rangoon absorbed 84·4 per cent. of the foreign trade of Burma in 1909–10.
Rupee = 1*s.* 4*d.*

TRAFFIC OF UNITED STATES GOODS ACROSS PANAMA AND TEHUANTEPEC RAILWAYS.

The following statement showing the value of merchandise shipped from ports of the United States, including Hawaii, across the Isthmuses of Panama and Tehuantepec to other domestic (United States) ports or to foreign countries, has been issued by the United States Department of Commerce and Labour :—

Year ending 30th June	West-bound traffic.		East-bound traffic.	
	Viâ Panama.	*Viâ* Tehuantepec.	*Viâ* Panama.	*Viâ* Tehuantepec.
	Millions of dollars.			
1906	3·8	—	2·0	—
1907	7·3	5·5*	2·3	5·9*
1908	9·4	13·2	1·5	18·3
1909	9·0	27·0	1·8	24·3
1910	9·2	41·6	3·6	28·0

* The Tehuantepec route was opened on 1st January, 1907.

Traffic of United States Goods across Panama and Tehuantepec Railway.

Of the 41,600,000 dollars' worth of United States merchandise which passed westwards over the Tehuantepec railway in 1909-10, some 36,500,000 dollars' worth went to the Pacific coast of the United States, 3,500,000 dollars' worth to Hawaii, and 750,000 dollars' worth to foreign countries, including Central America, Mexico and British Columbia. Of the 28,000,000 dollars' worth which passed eastwards over the Tehuantepec line during the same year, 20,000,000 dollars' worth, chiefly sugar, came from Hawaii, and 7,300,000 dollars' worth from the Pacific ports of the United States. Of the merchandise passing westwards over the Panama railway, 5,000,000 dollars' worth was destined for foreign countries on the west coast of South America, and the rest for the Pacific coast of the United States. The entire amount passing eastwards over the Panama Isthmus came from San Francisco.

As appears from the particulars given above, the Hawaiian sugar destined for the eastern coast of the United States, which was formerly carried by sailing vessel round Cape Horn, now goes by way of the Isthmus of Tehuantepec.

Dollar = 4*s.* 2*d.*

BERNE CONVENTION FOR PROHIBITING MATCHES OF WHITE OR YELLOW PHOSPHORUS.

List of Colonies which have adhered.

With reference to notices which have appeared from time to time during the current year with regard to legislative action taken by certain British Colonies and Protectorates for prohibiting the importation or sale of white or yellow phosphorus matches, the Board of Trade are now in receipt, through the Colonial Office, of the following complete list of the Colonies and Protectorates which have adhered to the Berne Convention of 26th September, 1906, which provides for the prohibition of the importation or sale of such matches :—

Malta	Northern Nigeria
Gibraltar	East Africa Protectorate
Cyprus	Uganda Protectorate
Gambia	Mauritius
Sierra Leone	Seychelles
Gold Coast	Fiji
Southern Nigeria	Leeward Islands

The Governments of the Union of South Africa and Bermuda have also decided to adhere to the Convention, and arrangements are being made to notify their adhesion.

PROPOSED TARIFF CHANGES.

SIERRA LEONE.

Proposed Regulation of Importation, &c. of "Trade Spirits."

A copy of a proposed Ordinance has been received which provides for the regulation of the importation of "trade spirits" into the Colony and Protectorate of Sierra Leone.

It is proposed to prohibit the importation or sale of "trade spirits" in the Colony and Protectorate unless contained in the following receptacles, viz., bottles, small demijohns, medium demijohns, large demijohns, jars, tins, casks, puncheons, pipes and barrels. A standard of capacity is established for each of the above receptacles, and their required dimensions specified.

Provision is, however, made for the sale of "trade spirits" for consumption on the premises in receptacles other than those above specified, but when sold away from premises the quantity sold is subject to certain prescribed conditions.

Rules are also laid down for labelling the cases, &c., and for the assessment of duty.

"Trade spirits" are defined in the Ordinance as those commonly known as "trade gin" and "trade rum."

FRANCE.

Proposed Tax on Flame-producing Apparatus.

The Board of Trade are in receipt, through the Foreign Office, of copies of a Bill which was passed by the Chamber of Deputies on the 15th December, and sent up to the Senate, proposing the following taxes on automatic cigar-lighting apparatus, produced in or imported into France:—

		Frs.	cts.
Apparatus not exceeding 10 centimetres in any one of their dimensions—			
Of common metal	Each	2	00
Of silver	„	5	00
Of gold or platinum	„	20	00
Apparatus having any dimensions exceeding 10 centimetres—			
Of common metal	„	5	00
Of silver	„	10	00
Of gold or platinum	„	40	00

Apparatus imported from foreign countries will be sent, under Customs supervision, to stations designated by the "Administration des Contributions Indirectes," in order to be furnished with a stamp showing that the tax has been paid. The payment of the tax on apparatus of precious metal is to be effected when the warranty due (*droits de garantie*) is paid.

SPAIN.

Proposed New Export Duties on Metal Ores.

The "Gaceta de Madrid" for the 10th December contains a Bill, which has been submitted to the Cortes by the Minister of Finance, proposing to modify, as from the 1st January next, the existing Tariff of Export Duties, as shown in the following statement:—

Proposed Tariff Changes.

SPAIN—*continued.*

[Peseta (100 centimos) = 9·6*d.*; 100 kilogs. = 220·46 lbs.]

No. in Proposed Tariff.	Articles.	Rate of Export Duty.	
		Present.	Proposed.
		Pesetas (gold). *Per* 100 *kilogs.*	Pesetas (gold). *Per* 100 *kilogs.*
9	Copper ore containing more than 2½ per cent. of copper	0 16*	0 16
11	Copper ore containing up to 2½ per cent. of copper		0 02
12	Zinc ore	Free.	0 10
13	Manganese ore		0 10
14	Iron pyrites		0 02
15	Other metal ores, not specially mentioned in the Export Tariff		0 02

* Copper ore containing *more than* 1 *per cent.* of copper.

TARIFF CHANGES AND CUSTOMS REGULATIONS.

UNITED KINGDOM—UNITED STATES OF AMERICA.

Reciprocal Facilities for Commercial Travellers' Samples.

The Board of Trade have received, through the Foreign Office, copies of Declarations signed on behalf of H.M. Government and the Government of the United States respectively, which have been exchanged at Washington, with a view to facilitating the clearance through the Customs of each country of samples brought into its territory by commercial travellers of the other.

Both Governments declare that the officially attested list of such samples, containing a full description thereof, issued at the time of exportation by the Consular authorities of the country of import established in the country of export, shall be accepted by the Customs officials of the country of import as establishing their character as samples, and exempting them from inspection on importation, except so far as may be necessary in order to comply with the law of the country of import.

This arrangement will come into force on the 1st January, 1911, and may be withdrawn on either side upon one month's notice being given.

In this connection, and in order that British commercial travellers may not inadvertently give a value in the United States Customs documents to samples which are in fact of no commercial value, the United States Treasury Department draw attention to the following article of their Customs Regulations of 1908:—

"*Art.* 768. *Duty on imported value.*—Whenever imported goods of any description, not expressly exempted from duty by law, are given a value in the invoice or entry, duty must be assessed, even though the appraiser returns the articles as of no commercial value."

Tariff Changes and Customs Regulations.

COMMONWEALTH OF AUSTRALIA.

Customs Decision.

The Board of Trade are in receipt of Customs Notice (No. 74) dated 27th October, 1910, which directs that "cloth waterproofed with oil" can be used as a substitute for cloth waterproofed with rubber, and, in consequence, shall be charged, in accordance with the provisions of sec. 139 of the Customs Act, 1901, rates of duty similar to those leviable on rubbered waterproof cloth upon importation into the Commonwealth, as follows:—

Article.		Rates of Import Duty.	
		Under the United Kingdom Preferential Tariff.	Under the General Tariff.
Rubbered waterproof cloth—			
Woollen or containing wool	*ad val.*	30 %	35 %
Silk or containing silk, but not containing wool	"	20 %	25 %
Other	"	15 %	20 %

Free Importation of Certain Articles.

Copies of Customs By-Laws (Nos. 135 and 136) dated 2nd November, 1910, have been received notifying that the following articles may be imported free of duty into the Commonwealth, with effect from the dates specified:—

Articles.	Date of Operation.
BY-LAW No. 135.	
Minor articles for use in the manufacture of goods within the Commonwealth (Tariff Item No. 434)—	
Internal combustion engines—	
Magnetos*; provided security be given by the owner that they will be used only in the manufacture within the Commonwealth of internal combustion engines, and that proof of such use be produced to the satisfaction of the Collector within six months after delivery by the Customs	2nd Nov., 1910.
BY-LAW No. 136.	
Machine tools and parts (Tariff Item No. 166)—	
Jacquard looms, and spindle filling machines for use in the manufacture of woven labels and similar smallware ...	19th Oct., 1910.

* BY-LAW No. 96, dated 3rd March, which provided for the free importation of "Magnetos" for use in the manufacture of petrol engines only is hereby cancelled.

Importation of Ferrets Prohibited.

A Proclamation, dated 27th October, 1910, has been issued notifying the prohibition, under the Customs Act of 1901, of the importation of ferrets into the Commonwealth.

Tariff Changes and Customs Regulations.

DOMINION OF NEW ZEALAND.

Customs Decisions.

The "New Zealand Gazette" of 3rd November last, contains copy of a Minister's Order (No. 942), dated 1st November, 1910, giving decisions relative to the rates of duty leviable upon certain articles upon importation into the Dominion of New Zealand.

The following are the principal decisions:—

Articles.	Tariff No.	Rates of Import Duty.	
		On Foreign Goods.	On goods the produce or manufacture of any part of the British Dominions.
Beekeepers' supplies—			
Capping melter	368	Free	Free
Honeyboards of zinc...	368	Free	Free
Boot polish "White royal gloss" (claimed as bootmaker's inks and stains)	252	30 % *ad val.*	**20 % ad val.**
Coat hangers, plain, when cut, before importation, into lengths not exceeding 4 inches ...	300	Free	Free
Mabon multiple disc clutch (a pulley and clutch) for attachment to axle of motor bicycle engine	411	20 % *ad val.*	**Free**
Linings made up and ready to be fitted into hats	101	25 % "	25 % *ad val.*
Machines for aërating liquids—			
Gas generator, gas purifier, gasometer, arctic machine, and bottling machine, parts of a complete aërating plant ...	181	15 % "	**5 % "**
Machine, printing, viz.: Roncotype printing machine	180	15 % "	**5 % "**
Machine tools, wood workers': Veneer drier ...	384	Free	Free
Van boxes (claimed as ordinary trade packages for aërated-water bottles)	215	30 % *ad val.*	**20 % ad val.**

UGANDA PROTECTORATE.

Imposition of Export Duty on Parrots.

The "Uganda Official Gazette" of the 15th November last contains the text of an Ordinance (No. 14 of 1910) which provides for the imposition of a duty of R.1 on each parrot exported from the Uganda Protectorate, with effect from the date of publication.

NORWAY.

Duty-free Admission of Parts of certain Machines.

With reference to the notice on pp. 136–7 of the "Board of Trade Journal" for the 21st January, 1910, the Board of Trade are now in receipt, through the Foreign Office, of information to the effect that a Norwegian Customs Circular has recently been issued providing that, until further notice, *parts of milk separators and of typewriters*, shall be added to the list of machines which may be imported into Norway free of Customs duty.

Tariff Changes and Customs Regulations.

BELGIUM.

New Specific Duties on Woollen Carpets. Explanation of Tariff Classification.

With reference to the notice which appeared in the "Board of Trade Journal" for the 13th October, respecting the conversion as from 1st July, 1911, of the present *ad valorem* duty on woollen carpets imported into Belgium into specific rates, the Board of Trade are now in receipt, through the Foreign Office, of information from the Belgian Government, from which it appears that the reference to "Brussels" carpets in the Note appended to the heading "Printed" on p. 88 of the above-mentioned issue of the "Journal," was incorrect. It is understood that only those descriptions of "*moquettes bouclées*" in which the designs or tints are obtained by printing on the warp, *e.g.*, "tapestry" carpets, will be dutiable at the rate of 50 francs per 100 kilogs. under the head of "Printed." Other descriptions of "*moquettes bouclées*" (including "Brussels" carpets, known as "*moquettes jacquards*") as also "*moquettes veloutées*" (such as "Wiltons") will be dutiable as "Other" carpets, at the rate of 70 francs per 100 kilogs.

The new specific duties will be applicable only to carpets which are composed exclusively of wool, or in which wool predominates in weight. Carpets in which jute predominates will continue to be dutiable as hitherto, as "all other tissues of jute," at the rate of 10 per cent. *ad valorem*.

FRANCE.

New Regulation as to the Labelling of Comestible Oils.

The "Journal Officiel" for the 28th July last contains a Circular of the Minister of Agriculture with regard to the labelling of comestible oils, which states that from the 1st January, 1911, it will not be permissible to apply the terms "vierge," "fine," "surfine," "superfine," "supérieure," except to oils of which the nature is indicated on the label, *e.g.* "huile d'olive vierge," "huile de noix supérieure."

Oils bearing a designation which does not disclose their nature, and mixtures of different oils, must be described either as "huile comestible" or "huile de table," and to distinguish the diverse qualities of such oils, only such terms as the following may be employed: "blanche," "à friture," "1re, 2me, 3me, &c.: qualité," "1re, 2me, 3me, &c., choix." The use of the foregoing terms, together with a trade mark (*marque commerciale*), is authorised, on condition that the use of such a mark does not lead to confusion between these oils and oils of which the nature is indicated on the label.

Tariff Changes and Customs Regulations.

SPAIN.

Refund of the Alcohol Tax in respect of Exported Goods.

With reference to the notice which appeared at p. 306 of the "Board of Trade Journal" for the 10th February last respecting the tax on alcohol and alcoholic products manufactured in Spain, the "Gaceta de Madrid" for the 13th December contains a Royal Order, dated the 22nd November, determining the rates at which the tax will be refunded, as from the 1st January, 1911, on the exportation from Spain of compound spirits and liqueurs, denatured alcohol, wines, alcoholic perfumery, varnish, medicines, &c., produced in the country.

The Order (in Spanish) may be inspected by persons interested at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

UNITED STATES OF AMERICA.

Labelling of Sago.

The Board of Trade are in receipt, through the Foreign Office, of copies of a Food Inspection Decision (No. 128) issued by the United States Board of Food and Drug Inspection, which states that, in the opinion of the Board, the name "sago," or "pearl sago," without qualification, means the product obtained from the pith of East Indian palm trees, and that starch products of different origin will be held to be misbranded under the Food and Drugs Act if labelled or offered for sale as "sago," "pearl sago," etc. The prepared starch product derived from the root of the cassava plant is tapioca, and should be sold and labelled as such.

The Decision continues to the effect that there is also on the United States market an imitation sago made from potato starch. Imitation food products are misbranded under the Act unless they are labelled so as to indicate plainly that they are imitation products and unless the word "imitation" is also plainly stated on the packages in which imitation products are offered for sale. Potato or other starch prepared to resemble pearl sago, therefore, should be labelled, for example, "Imitation sago; made from potato starch," the words "Imitation" and "made from potato starch" being declared as plainly and conspicuously as the word "sago." The word "Imitation" must appear on the label, but an equivalent expression may be substituted for "made from potato starch," which will indicate unmistakably that the product is not made from the pith of East Indian palm trees, but is derived from a different source.

Labelling of Whiskies sold under Distinctive Names.

With reference to the notice which appeared on p. 592 of the "Board of Trade Journal" for the 24th March, 1910, the Board of Trade are in receipt, through the Foreign Office, of copies of a decision of the United States Attorney-General with regard to the labelling of whisky sold under a distinctive name, which has been promulgated by the United States Department of Agriculture as Food Inspection Decision No. 127.

Tariff Changes and Customs Regulations.

Food Inspection Decision No. 113, the text of which was given in the notice above referred to, laid down that "whiskies of the same or different kinds, *i.e.*, straight whisky, rectified whisky, re-distilled whisky, and neutral spirits whisky, are like substances, and mixtures of such whiskies, with or without harmless colour or flavour, are blends under the law and must be so labelled." Section 8 of the Food and Drugs Act, 1906, however, provides that "An article of food which does not contain any added poisonous or deleterious ingredients shall not be deemed to be adulterated or misbranded . . . in the case of mixtures or compounds which may be now or from time to time hereafter known as articles of food under their own distinctive names, and not an imitation of or offered for sale under the distinctive name of another article, if the name be accompanied on the same label or brand with a statement of the place where said article has been manufactured or produced."

The United States Attorney-General has now decided with regard to a certain brand of imported whisky, known and sold under the name of "Canadian Club Whisky," which was pronounced by the United States authorities to be "a mixture of grain distillates, duly aged after mixing, without further admixture," that the name under which it is sold is distinctive, and so arbitrary and so fanciful as to clearly distinguish it from all other kinds of whisky or other things, and a name which, by common use, has come to mean a substance clearly distinguishable by the public from everything else. In his opinion, therefore, although the product in question is a mixture of whiskies, it is unnecessary that the label shall state that it is "a blend of whiskies," under the provisions of Food Inspection Decision No. 113.

With regard to the term, "distinctive name," as used in Section 8 of the Food and Drugs Act, it may be well to cite No. 20 of the Rules and Regulations for the enforcement of the Act, which is as follows:—

(*a*) A "distinctive name" is a trade, arbitrary, or fancy name which clearly distinguishes a food product, mixture or compound from any other food product, mixture, or compound.

(*b*) A distinctive name shall not be one representing any single constituent of a mixture or compound.

(*c*) A distinctive name shall not misrepresent any property or quality of a mixture or compound.

(*d*) A distinctive name shall give no false indication of origin, character, or place of manufacture, nor lead the purchaser to suppose that it is any other food or drug product.

SHIPPING AND TRANSPORT.

SWEDEN.

Railways to be Opened to Traffic in 1911 and 1912.

H.M. Consul at Stockholm (Mr. H. M. Villiers, M.V.O.) reports that, according to information issued by the Road and Waterways Commission in connection with the Swedish General Post Office, the following additional lines of railway, with an aggregate length of nearly 500 kiloms. (310 miles), will be opened for general traffic in Sweden during the years 1911 and 1912:—

Bastuträsk—Skelleftea, 47 kiloms.; Ostersund—Strömsund, 115 kiloms.; Dalby—Bjärsjölagard, 25 kiloms.; Varberg—Atran, 49 kiloms.; Bohuslänska statsbanan—Lannagarden, 4½ kiloms.; Enskede—Nybodatunneln, 3 kiloms.; Uppsala—Enköping, 42 kiloms.; Svalnäs—Osby, 2 kiloms.; Klintehamn—Snögvinda, 3½ kiloms.; Snögvinda—Haxarfve, 23 kiloms.; Eringsboda—Elmeboda, 18 kiloms.; Sala järnvägsstation—Sala grufva, 2½ kiloms.; Tomteboda—Kapellskär, 84 kiloms.; Penningby—Norrtälje, 10 kiloms.; Johannesberg—Ljungafors, 3 kiloms.; Liljeholmen—Fridhem, 5½ kiloms.; Trollhättan—Nossebro, 32 kiloms.; Rämshyttan—Idkarberg, 10 kiloms.

(C. 9,843.)

SPAIN.

Spanish Postal Packet Service in the Gulf of Guinea.

The "Gaceta de Madrid" of 19th December publishes a decree inviting tenders from Spanish firms for the carrying on of a maritime postal service between Santa Isabel and other ports of Fernando Pó, the Islands of Annobón, Corisco and Los Elobeys, and the neighbouring ports of foreign colonial possessions. Tenders will be opened on 20th January by the "Jefe de la Sección Colonial del Ministerio de Estado," Madrid. The contract will be for a period of ten years, and the concessionaire will be entitled to a yearly subsidy not exceeding 250,000 pesetas (about 9,250*l.*). The "Gaceta," containing further particulars, may be seen by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (X. 4,088.)

MINERALS, METALS AND MACHINERY.

AUSTRALIA.

Mineral Production of Western Australia.

The following table, showing the quantity and value of all the minerals produced in Western Australia during the years 1908 and 1909, is taken from the Report of the Department of Mines of that State for the year 1909:—

Minerals, Metals and Machinery.

—		1908.		1909.	
		Quantity.	Value.	Quantity.	Value.
			£		£
Asbestos*	statute tons	40	1,600	3	154
Coal*	"	175,248	75,694	214,302	90,965
Copper ore†	"	2,503	29,272	6,959	59,541
Copper, ingot, matte, &c.†	"	479	27,819	833	45,103
Gold‡	fine ozs.	1,647,911	6,999,882	1,595,269	6,776,274
Mica†		—	10	—	—
Silver†	fine ozs.	168,455	18,877	176,843	18,778
Silver lead ore† ...	statute tons	518	5,006	211	1,199
Tantalite†		—	400	—	—
Tin, ore and ingot† ...	statute tons	1,093	83,595	698	65,959
Wolfram†	"	—	—	1	100
Zinc, spelter, &c.† ...	"	11	98	19	244
Unenumerated†...		—	2,750	—	735
Total values ...		—	7,245,003	—	7,059,052

* Raised. † Exported. ‡ Exported and minted locally.

SOUTH AFRICA.

Agricultural Machinery and Implements in Natal.

H.M. Trade Commissioner for South Africa (Mr. R. Sothern Holland) has forwarded the following statistics, taken from the "Natal Statistical Year Book, 1909," showing the number of agricultural implements, &c. in the possession of Europeans in the Colony of Natal, the corresponding figures in the "Year Book" for 1908 being added for purposes of comparison:—

—	1908.	1909.
Baling machines	568	473
Chaff cutters	1,097	1,347
Cream separators	1,068	1,476
Cultivators, horse hoes and weeders	4,428	5,452
Dipping tanks: cattle	167	311
" " sheep	321	595
Engines and turbines	384	431
Harrows	4,103	4,602
Hay rakes	849	951
Hydraulic rams	142	149
Incubators	517	377
Maize mills	2,262	2,730
" planters	976	1,647
" shellers and threshing machines...	2,077	2,413
Mowing machines	1,121	1,483
Ploughs	8,988	9,875
Potato planters, &c.	124	157
Reapers	159	125
Silos	53	65
Windmills	119	132
Winnowers	444	1,007
Other implements	454	188

Minerals, Metals and Machinery.

SOUTH AFRICA—*continued.*

Mr. Holland points out that there is an extensive and growing trade throughout South Africa in all agricultural requirements. British manufacturers of such goods not already represented in Natal and other South African markets should take steps to establish a connection with some local representative firm. (29,240.)

Industrial Establishments of Natal.

H.M. Trade Commissioner also reports that, according to the same "Year Book," the number of industrial institutions, excluding mines, in Natal, with an output valued at not less than 100*l.* in 1909 was 922, of which 309 used steam engines, 78 electric engines, 80 oil engines, 21 water power, and 12 animal power, and 422 manual power only. The total energy of the steam, electric and oil engines was 15,343 h.p. The approximate value of the machinery and plant of 897 of these establishments (excluding narrow-gauge railways, waterworks, bone and manure works, and breweries and distilleries, which made no return of the value of their machinery and plant) is 1,386,000*l.* (29,241.)

RUSSIA.

Naphtha Deposits in South-East Russia.

The "Nachrichten für Handel und Industrie" (Berlin) of 3rd December publishes a report by the German Consul at Saratov on the naphtha industry in south-east Russia, from which the following is extracted :—

Owing to the discovery of large quantities of asphalt and tar in the neighbourhood of Bugulma and Buguruslan, the Government of Samara some years ago considered it advisable to commence boring operations for naphtha. These operations, which have been extended over a considerable area, have not, however, yielded satisfactory results, owing to the great depths which had to be reached, and to the poor quality of naphtha obtained wherever deposits were traced. It appears, on the other hand, that similar boring operations carried out in the Uralsk district have met with such success that a syndicate, which obtained a number of naphtha working concessions in the Guriev district, have felt justified in expending about 150,000*l.* since 1908. It is particularly mentioned that the naphtha obtained at Doss-Sor is exceedingly light and gaseous.

GERMANY.

Gold Discovery.

The Berlin "Börsen-Zeitung" of 14th December notifies that deposits of gold have been discovered in the Eifel district, viz., in Weismes and Malmedy, situated to the north of Montenau, and work is already being energetically carried on at various points. The prospects as to the existence of gold are, it appears, very good, and it is anticipated that next spring will witness renewed activity in this connection.

(X. 4,027.)

Minerals, Metals and Machinery.

GERMANY—*continued.*

Steel Market.

The following extract is taken from a report, published in the "Frankfurter Zeitung" of 21st December, of a meeting held by the "Stahlwerksverband" in Dusseldorf on the 20th December:—The home demand for partly manufactured steel is quite satisfactory, and as foreign enquiries are also good, it is expected that business will be brisk at the beginning of the new year. The home demand for heavy constructional steel is not very satisfactory, owing to a scarcity of orders from the State railways, but the market abroad for heavy steel rails is still good. The home trade in angle iron is quiet, but enquiries from abroad are on the increase. It is expected that in the new year there will come a general improvement in this trade.

(X. 454.)

FRANCE (INDO-CHINA).

Mining Industry of Tonkin.

The "Quinzaine Coloniale" (Paris) of 10th December contains a report on the mining industry of Tonkin from which the following is extracted:—

Coal mining is on the increase, the output in the district of Tonkin reaching 384,000 tons in 1909, as against 347,000 tons in 1908. Of even more interest is the mining of zinc and wolfram, which is a comparatively new industry. It is expected that the yield of these ores will amount to 40,000 tons this year. The Tonkin mining industry has practically passed the experimental stage. It provides return freight for the cargo boats trading to Haiphong, and in all likelihood iron works will be erected before long on the banks of the Cua-Cam for working the minerals.

(X. 1,353.)

JAPAN (LIAOTUNG PENINSULA).

Gold Discovery.

The British Acting Consul at Dairen (Mr. H. Horne) reports that, according to the local press, gold ore has been found at Pulantien, on the frontier of the Leased Territory, and machinery for working the ore has already been ordered from Japan.

(28,970.)

YARNS AND TEXTILES.

BRITISH INDIA.

Cotton Spinning and Weaving Returns.

The Board of Trade have received a copy of the monthly return issued by the Indian Government, showing the quantity of cotton yarn spun, and of cotton woven goods produced, in each Province of British India, and in the Native States, during the six months April to September in each of the years 1908, 1909 and 1910.

The following is a summarised statement, extracted from the above return, giving the particulars for the six months ended September, 1908, 1909 and 1910:—

Yarns and Textiles.

		Six months ended September,		
		1908.	1909.	1910.
BRITISH INDIA, BERAR, AND NATIVE STATES.				
Cotton yarn spun	Lbs.	323,847,362	329,093,673	324,715,058
Grey and bleached piece goods	"	75,323,476	87,099,189	94,395,764
	=Yards	337,083,667	379,395,814	418,553,033
Coloured piece goods	Lbs.	16,212,932	22,793,685	25,893,682
	=Yards	64,114,686	92,858,276	106,879,286
Grey and coloured goods (other than piece goods)	Lbs.	784,561	900,445	855,113
Hosiery	"	277,143	250,718	254,035
Miscellaneous goods	"	73,952	131,033	37,489

AGRICULTURAL & FOREST PRODUCTS.

UNITED KINGDOM.

Corn Prices.

The prices of British corn per quarter of 8 bushels, as received from the inspectors and officers of Excise in the week ended 24th December, 1910, were as follows:—

Wheat	30*s.* 7*d.*
Barley	23*s.* 10*d.*
Oats	16*s.* 9*d.*

For further particulars see p. 640.

Cotton Statistics.

The number of bales of cotton **imported** into the United Kingdom during the week ended 22nd December, 1910, was 231,417 (including 54 bales British West Indian and 591 bales British East African), and the number imported during the fifty-one weeks ended 22nd December was 3,585,458 (including 6,500 bales British West Indian, 6,806 bales British West African, 16,171 bales British East African, and 24 bales foreign East African). The number of bales **exported** during the week ended 22nd December was 10,803, and during the fifty-one weeks, 367,040.

For further details see p. 640.

AUSTRALIA.

Production of Honey in South Australia.

The Bulletin of the South Australian Intelligence Department for 11th November states that the bee-keeping industry in South Australia has made rapid progress during recent years. In districts where cultivation has not displaced the native timber, large apiaries of from 500 to 800 colonies are to be found. Considerably over 1,000,000 lbs. of honey were produced in 1909, and for

the coming season many apiarists predict an exceptionally heavy yield. The bulk of the honey is consumed locally, but an overseas export trade has been built up, and, in anticipation of an increased production this year, orders have already been secured from several ports in England and on the Continent. The first overseas shipment was expected to be made during December.

UGANDA.

Cotton Growing.

The "Official Gazette" of the Uganda Protectorate of 15th November states that the most encouraging reports continue to be received concerning the suitability for cotton cultivation of the district to the north of the Eastern Province, in the vicinity of Kumi, Bululu, and the shores of Lakes Kwania and Kioga. In Bululu the area under cultivation has increased fourfold; although the country as a whole is sandy, it is in places endowed with a rich cotton soil, and it is a district which offers great prospects for the expansion of the cotton industry in the near future. The soil in the neighbourhood of Bugondo consists of a black sandy loam rich in humus, which should be capable under good cultivation of yielding large cotton crops. In the Kuman country the condition of the plants is satisfactory, and there is an absence of pests; in the majority of instances 100 per cent. of the seed planted has germinated.

NORTHERN NIGERIA.

Regulation of Cotton Growing and of Importation and Exportation of Cotton and Cotton Seed.

The Commercial Intelligence Branch of the Board of Trade has received a copy of a Proclamation, dated 30th July, 1910, empowering the Governor of Northern Nigeria to make rules for the control of cotton growing in the Protectorate, and for the importation and exportation of cotton or cotton seed.

RUSSIA (FINLAND).

Final Crop Returns.

H.M. Consul at Helsingfors (Mr. C. J. Cooke) reports that, from figures just published by the local Board of Agriculture, it appears that the harvest results in Finland are as follows:—Rye, 3,165,336 hectolitres; oats, 6,854,953 hectolitres; barley, 1,682,842 hectolitres; potatoes, 5,751,893 hectolitres; hay, 1,824,950 tons. (C. 10,003.)

Hectolitre = 2¾ Imperial bushels.

ITALY.

Rice, Hemp and Flax Crops.

The "Sole" (Milan) of 17th December publishes the following official figures, issued by the Agricultural Statistical Bureau in Rome, of this year's yield of certain agricultural products in Italy, viz., rice, 4,380,000 quintals,

Agricultural and Forest Products.

being a diminution of 373,000 quintals, as compared with last year hemp, 868,000 quintals, being an increase of 84,000 quintals over last year; flax, 36,000 quintals, being a diminution of 2,000 quintals as compared with 1909.

Metric quintal=220·46 lbs.

MEXICO.

Coffee Crop.

H.M. Consul-General at Mexico City (Mr. C. E. W. Stringer) reports that the coffee crop in Mexico this season is estimated at 20,716 metric tons, as compared with 22,609 metric tons in 1909–10. (29,226.)

COLOMBIA.

The following information is from the report by Mr. Pro-Consul Stevenson on the trade of Cartagena in 1909, which will shortly be issued:—

Establishment of Banana Growing for Export.

The national Government in December, 1909, granted a 50-year concession to the Consorcio Albingia of Hamburg, with authority to transfer it to the "Hamburg Colombien Bananen Actien Gesellschaft," for the establishment of plantations for the growth of bananas for export, on an extension of about 5,000 hectares of land given to them in the eastern coast of the Gulf of Urabá; for the building of a suitable wharf for ocean-going steamers at the most suitable place on the coast between Turbo and the mouth of the river Leon, which port is to be named Puerto César, and is to be legally authorised by the Government for imports and exports within two years from the date of the concession; and for the construction of a railway from the wharf inland within the limits of the above-mentioned extension of land. The concessionaires are bound to establish within two years coasting and river trade with steamboats to run between Cartagena and Puerto César; and, within three years, a regular ocean steamship service for the exportation of bananas and other products. They are allowed to establish wireless telegraph communication between Urabá and Cartagena. In accordance with the terms of the concession the concessionaires have started work on preparing land and building houses, a temporary wharf, &c.; and they first shipment of 300 tons of rails, &c. arrived from Hamburg in July last.

BRAZIL. PERU.

Exports of Rubber from the Amazon Basin in October, 1910.

With reference to the statement on p. 336 of the "Board of Trade Journal" of 17th November showing the quantity of rubber exported from Pará, &c. in September, 1910, H.M. Consul at Pará now reports that the quantity of rubber exported from Pará, Manaos, Iquitos, and Itacoatiara during the month of October, 1909 and 1910, was as follows:—

Agricultural and Forest Products.

—	Fine.	Medium.	Coarse.	Caucho.	Total.
October, 1909—	Kilogs.	Kilogs.	Kilogs.	Kilogs.	Kilogs.
To United States ...	*1,154,832*	*188,661*	*677,935*	*68,729*	*2,090,157*
To Europe	*994,198*	*137,803*	*206,863*	*230,995*	*1,569,859*
Total	*2,149,030*	*326,464*	*884,798*	*299,724*	*3,660,016*
October, 1910—					
To United States ...	713,915	92,032	288,285	45,077	1,139,309
To Europe	905,100	103,304	189,394	242,589	1,440,387
Total	1,619,015	195,336	477,679	287,666	2,579,696

Kilog. = 2·2046 lbs. (C. 9,851.)

MISCELLANEOUS.

BRITISH INDIA.

Trade of Bengal with Nepal, Tibet, &c.

The following particulars of the trade of Bengal with each of the trans-frontier countries of Nepal, Tibet, Sikkim and Bhutan are extracted from the official report for the year ended 31st March, 1910, compiled by the Director General of Commercial Intelligence in India:—

The values of the import and export trade (exclusive of treasure) during the years ended 31st March, 1909 and 1910, were as follows:—

—	1908–9.		1909–10.	
	Imports into Bengal.	Exports from Bengal.	Imports into Bengal.	Exports from Bengal.
	Rs.	Rs.	Rs.	Rs.
Nepal	2,28,16,357	1,07,82,741	1,82,14,820	1,00,13,757
Tibet	12,53,683	13,36,853	5,75,135	7,09,536
Sikkim	9,29,263	7,62,232	9,30,351	9,24,443
Bhutan*	8,232	15,244	7,266	8,339
Total	2,50,07,535	1,28,97,070	1,97,27,572	1,16,56,075

* This report only records the trade with Bhutan which passes through the Darjeeling district.

Rupee=1*s.* 4*d.*

SOUTH AFRICA.

Whaling and Whale Oil Industry.

With reference to the notice on page 342 of the "Board of Trade Journal" of 12th August, 1909, and to previous notices relative to the whaling industry in South Africa, H.M. Trade Commissioner for the Union (Mr. R. Sothern Holland) reports that the industry has expanded considerably since the establishment of the first

Miscellaneous.

station in Natal some four years ago. The rise in price of whale oil owing to the linseed shortage has assisted the industry. The African Colour Company has established works at Durban for the manufacture of crude glycerine from whale oil, and in the course of time this company may take up the manufacture of candles, soft soap, &c.

The whaling station at Saldanha Bay has two whaling boats, and the number of captures is on the average about 24 monthly. The oil is usually ultimately disposed of at Durban. (28,642.)

GERMANY.

H.M. Consul-General at Hamburg (Sir W. Ward, K.C.M.G., C.V.O.) has furnished the following particulars relative to the cement industry of Germany:—

Cement Industry.

In the autumn of 1909 the German cement factories came to an agreement to raise the minimum prices of cement for export, but this agreement lasted for only a very short period, and export prices sank to their former level as soon as it became evident that the negotiations of the German groups in regard to the home trade would not lead to a satisfactory conclusion. In November, 1909, several of the German groups were dissolved, and this is said to have been the cause of much excited competition in Berlin, and large contracts were then made at prices equal to the cost of production. The Berlin group and the central German Union of Cement Factories were unable to agree owing to the exorbitant demands of the newly-founded factories. These circumstances, combined with the competition of Belgian cement in Westphalia and in the Rhine Province, led to a general reduction of prices. Then came the general strike in the building industry in the summer of the present year, and the results revealed by the reports of those works which closed their balances in June were far from satisfactory. On the other hand the export business has been brisk, especially during the last few months, but this activity has not been sufficient to relieve the factories of the large stocks which had accumulated, more especially in central Germany.

In spite of this unfavourable state of the industry, the number of new factories has still further increased, a circumstance which for a long time deferred the realisation of an agreement among the German groups. After protracted negotiations an agreement was reached in November, but a considerable number of the factories have not accepted it.

The prospects for the year 1911 are not considered as encouraging, and the only favourable feature in the situation is thought to be, that little money is available for the establishment of further new undertakings. The demand for cement, however, remains large, and is probably increasing, and as the cement trade abroad is also improving, it is hoped in Germany that an improvement may be anticipated towards the end of 1911. (C. 9,783.)

Miscellaneous.

GERMANY—*continued.*

Bill containing Amendments to the Law on the Compulsory Working of Patents.

The "Deutscher Reichsanzeiger" (Berlin) of 16th December publishes a Bill, drawn up by the Ministry of the Interior and submitted to the Federal Governments for observations, containing amendments relative to the law on the compulsory working of patents in Germany. Under the terms of the Bill it is provided, *inter alia*, that "should a patentee refuse permission to another for the use of his invention, even though suitable compensation and guarantees be offered, the patent may, if it be shown that the grant of such permission is in the public interests, be revoked, or the right to use the invention given to the applicant. This right may be given with conditions and qualifications. No decision can be given against a patentee before the expiration of three years from the publication of the grant of the patent."

The "Reichsanzeiger," containing further particulars, together with an explanatory memorandum, may be seen by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. (X. 1,998.)

Hosiery and Glove Trade in Saxony.

Referring to the hosiery and glove trade in Saxony, the "Frankfurter Zeitung" of 21st December states that business during 1910 has been only moderately good, due chiefly to scarcity of orders and low prices. The uncertainty which has prevailed in the raw material market has been a disturbing factor. Although a slight improvement has set in during the last few months, trade has, on the whole, not been so good as in previous years. In regard more particularly to gloves, the home trade continues very good, and it is also noted that the South American trade is steadily on the increase. Hopes are entertained that this particular market will prove more and more valuable in the near future. (X. 3,167.)

FRANCE.

Cod Imports at Bordeaux.

H.M. Consul at Bordeaux (Mr. R. D. G. Macdonald) reports that the imports of cod fish from Newfoundland into Bordeaux are expected to be more or less the same this season as last. Cargoes will continue to arrive until March, and consequently an exact estimate cannot yet be made. The stock of cod at Bordeaux is taken to be about 15,000 tons, and that at other French centres is supposed to be relatively small. The price during the past two months (report dated 15th December) has stood at 34 francs per 50 kilogs. (about 28*s*. per cwt.) of salted fish, as against 25 francs (about 20*s*. 4*d*. per cwt.) previously. (29,069.)

Miscellaneous.

JAPAN.

Formosan Sugar in the Japanese Market: Probable entry into Chinese and Corean Markets.

With reference to the notice on p. 189 of the "Board of Trade Journal" of 27th October, the British Acting Commercial Attaché at Yokohama (Mr. R. Boulter) has forwarded extracts from the "Japan Daily Herald" of 28th and 29th October describing the position of the Formosan sugar industry. The consumption of sugar in Japan in 1909, it appears, was about 500,000,000 kin, of which some 290,000,000 kin came from Formosa, and the rest was imported from abroad. This year, it is estimated, the available supply of Formosan sugar is 400,000,000 kin, and in 1911 it is expected to be some 530,000,000 kin. Of these quantities, about 180,000,000 kin in 1910 is centrifugal sugar, of which there will be about 300,000,000 kin in 1911, while it is confidently estimated that by 1912 the quantity of centrifugal sugar will be 450,000,000 kin. The production of sugar in Formosa is thus rapidly increasing, while the consumption in Japan is rising but slowly. Consequently the Formosan sugar factories will be obliged to turn their attention to exportation abroad in order to dispose of their surplus produce, and it is anticipated that they will enter the Chinese and Corean market with centrifugal sugar by 1912.

The newspaper extracts, containing further information, including particulars of the sugar factories at work or being organised in Formosa, may be seen by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

(27,858.)

Kin = 1·3228 lbs.

Crab Tinning Industry.

With reference to previous notices published in the "Board of Trade Journal" relative to the crab tinning industry in Japan, the British Acting Vice-Consul at Yokohama (Mr. G. B. Sansom) reports that the industry has only been seriously pursued since 1909. There are now 107 canneries in Japan, with a total output this year of 45,000 cases of 48 1-lb. tins. Nearly 100 of these canneries must be on a very small scale, with an output of only about a dozen cases. The crabs used are of two species, the *Lithodes camschatica*, whose body measures 8-9 inches across and legs 19-20 inches in length, and the *Chinoeletes opilio*, of smaller dimensions. The packing season is from May onwards, but the greatest catches are made in June and July, in the Hokkaido and Japanese Sakhalin.

Trial shipments of tinned crabs have been made to England *viâ* Suez, but the cans being imperfect there was a loss of over 10 per cent. from putrefaction. It is proposed, with government assistance, to use 100 lb. sheet tin and to lacquer the inside of the cans, and by this means it is hoped to reduce the margin of loss to 2 per cent.

(28,901.)

STATISTICAL TABLES.

Cotton Returns.

Return of the **Number** of **Bales** of **Cotton Imported** and **Exported** at the **Various Ports** of the **United Kingdom** during the week and 51 weeks ended 22nd December, 1910 :—

——	Week ended 22nd Dec., 1910.	51 Weeks ended 22nd Dec., 1910.	Week ended 22nd Dec., 1910.	51 Weeks ended 22nd Dec., 1910.
	IMPORTS.		EXPORTS.	
	Bales.	Bales.	Bales.	Bales.
American	198.325	2,792,271	3,558	220,712
Brazilian	1,261	71.847	—	4.433
East Indian	1,353	198,138	—	43.151
Egyptian	29,573	405,581	7,212	90,635
Miscellaneous	905*	117,621†	33	8,109
Total...	231,417	3.585,458	10,803	367,040

* Including 54 bales British West Indian, and 591 bales British East African.

† Including 6,500 bales British West Indian, 6,806 bales British West African, 16,171 bales British East African, and 24 bales foreign East African.

NOTE.—Cotton "in transit" or "for transhipment under bond," *if described as such in the ships' reports,* is not included in this return.

Corn Prices.

Statement showing the **Average Price** of **British Corn,** per quarter of 8 bushels, Imperial Measure,* as received from the Inspectors and Officers of Excise in the week ended 24th December, 1910, and corresponding weeks of the seven previous years pursuant to the Corn Returns Act, 1882.

——	Average Price.		
	Wheat.	Barley.	Oats.
	s. d.	s. d.	s. d.
Week ended 24th December, 1910...	30 7	23 10	16 9
Corresponding Week in—			
1903	26 3	22 1	15 5
1904	30 4	24 8	16 2
1905	28 3	24 7	18 1
1906	26 0	24 1	17 3
1907	34 6	26 10	18 0
1908	32 2	26 8	17 2
1909	33 1	25 2	17 4

* Section 8 of the Corn Returns Act, 1882, provides that where returns of purchases of British Corn are made to the local inspector of Corn Returns in any other measure than the Imperial bushel or by weight or by a weighed measure that officer shall convert such returns into the Imperial bushel, and in the case of weight or weighed measure the conversion is to be made at the rate of sixty imperial pounds for every bushel of wheat, fifty Imperial pounds for every bushel of barley, and thirty-nine Imperial pounds for every bushel of oats.

GOVERNMENT PUBLICATIONS.

TRADE RETURNS OF THE UNITED KINGDOM.

The monthly Accounts relating to the Trade and Navigation of the United Kingdom for the month of November, 1910, have been published. The accounts, which are issued on the 7th or 8th of each month, may be purchased at a cost, in the present instance, of 1*s.* 4*d.* per copy, either directly or through any bookseller, from Messrs. Wyman & Sons, Ltd., Fetter Lane, London, E.C., and 32, Abingdon Street, S.W.; or Messrs. Oliver & Boyd, Edinburgh; or Edward Ponsonby, Ltd., 116, Grafton Street, Dublin.

Attention is further called to the fact that two volumes of the "Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions" for the year 1909 have been issued (see notices on pp. 513 and 458 of the "Board of Trade Journal" of 9th June and 1st September respectively), and may be purchased at any of the addresses enumerated above at a cost of 5*s.* 2*d.* for the first volume and 3*s.* 2*d.* for the second volume. This publication, which contains much more detailed and exhaustive information than can be given in the Monthly Accounts, gives in the first volume abstract tables for the years 1905–1909, and detailed statements of imports and exports of each article consigned from and to each country, and in the second volume details as to Customs revenue, transhipments and articles in bond, with particulars of the trade of the United Kingdom with each foreign country and British Possession, and of the trade at each port of the United Kingdom.

The third volume will contain a classification on the basis followed in Volumes I. and II. of the "Annual Statement" for 1908 and earlier years.

It may be noted that for 1909 (and following years), the figures of Volumes I. and II. relate to the countries *of consignment* for imports and countries of final destination for exports. A supplementary volume will continue to be issued, in which particulars will be given as mentioned above, on the same basis as those hitherto published in the first two volumes. By this means it will be possible to trace the details of the differences resulting from the change of system for a further limited period.

BOARD OF TRADE LABOUR GAZETTE.

The "Board of Trade Labour Gazette"* is published by the Board of Trade on the 16th of each month. The following are among the more important articles which appear in the December issue:—State of the Labour Market in November; Dispute in the Shipbuilding Industry; Income and Expenditure of Trade Unions in 1909; Medical Inspection in Elementary Schools; Earnings and Hours of Labour in Agriculture; Scottish Distress Committees in 1909–10; Trade Unions in the United States; Disputes in Austria in 1909.

* It can be purchased through any newsagent, price 1*d.*

Government Publications.

OTHER GOVERNMENT PUBLICATIONS.

Copy of First Annual Report of the Port of London Authority for the Year ended 31*st March*, 1910. 318. *Price* 4½*d.*

East Africa. Agreement for the Establishment of a Service of Steamers, viâ *the Suez Canal, between the United Kingdom and East Africa.* [*Cd.* 5,428.] *Price* ½*d.*

Banking, Railway and Shipping Statistics, Ireland (*June*, 1910). [*Cd.* 5462.] *Price* 6*d.*

This is the half-yearly report on the banking, railway and shipping statistics of Ireland, issued by the Department of Agriculture and Technical Instruction for Ireland, and deals with the period January-June, 1910. The deposits and cash balances in joint stock banks amounted on 30th June, 1910, to 52,505,000*l.* (excluding 3,673,000*l.* in Government and other public accounts in the Bank of Ireland), being the highest amount for June of which there is record, and 628,000*l.* in excess of that for June, 1909. The estimated amount in the Post Office Savings Banks in Ireland on 30th June, 1910, was 11,660,000*l.*, as compared with 11,187,000*l.* for the corresponding period of 1909. The receipts of Irish railways during the first half of the year 1910 amounted to 1,999,867*l.*, an increase of 37,479*l.*, or 1·9 per cent., as compared with the receipts during the first half of 1909.

Agricultural Statistics, Ireland, 1909–10. *Report and Tables relating to Irish Agricultural Labourers.* [*Cd.* 5033.] *Price* 2½*d.*

This report deals with (1) the annual migration of agricultural labourers to England and Scotland, and the work and earnings of such migratory labourers; and (2) the wages of agricultural labourers in Ireland. With regard to the number of Irish agricultural migatory labourers, there has been in recent years a steady downward tendency. It is estimated that approximately 20,500 labourers went for temporary employment to England and Scotland in 1909, as compared with 22,500 in 1908, which latter figure showed a decrease on the mmediately preceding years.

Government Publications.

FOREIGN OFFICE REPORTS.

THE following Reports of H.M. Diplomatic and Consular Officers which have been issued in the **Annual** and **Miscellaneous** Series since the 1st January, 1910, may be obtained from Messrs. Wyman & Sons, Ltd., Fetter Lane, London, E.C.; in Scotland, from Messrs. Oliver & Boyd, Tweeddale Court, Edinburgh; and in Ireland, from Messrs. E. Ponsonby, Ltd., 116, Grafton Street, Dublin:—

The titles of the Miscellaneous Series are printed in italic type.

No.	Place.	Price
	EUROPE—	
	Austria-Hungary:	
4599	Austria-Hungary, 1909 ...	2*d.*
4446	Bosnia-Herzegovina and Dalmatia, 1909	4½*d.*
4557	Finances, 1909-10	2*d.*
4576	Fiume, 1909	1*d.*
4429	Hungary, 1908–9	2½*d.*
4593	Trieste, 1909	2½*d.*
	Belgium:	
4405	Antwerp, shipping, 1909 ...	2½*d.*
4562	Belgium, 1909 and 1st half of 1910	3*d.*
	Crete:	
4603	Crete, 1909	4*d.*
	Denmark:	
4532	Denmark, 1909	6½*d.*
4479	Faroe Islands and Iceland, 1909	1½*d.*
4402	Finances, 1908–9	2½*d.*
	France:	
4456	Bordeaux, 1909	4*d.*
4478	Budget Report for 1910 ...	2½*d.*
4491	Calais, 1909...	3*d.*
4524	Corsica. 1909	2½*d.*
4548	Dunkirk, 1909	2*d.*
4597	France, 1909, and part of 1910	2½*d.*
4591	Guiana, French, 1909 ...	½*d.*
4455	Havre, 1909...	6½*d.*
4596	Indo-China, French, 1909...	3½*d.*
4483	Lyons, 1909...	4½*d.*
4516	Marseilles, 1909	6*d.*
4422	New Caledonia, 1909 ...	3*d.*
4468	Nice, 1909	1*d.*
4450	Réunion, 1909	1*d.*
4474	Rouen, 1909...	5*d.*
4577	St. Pierre and Miquelon, 1909	½*d.*
4502	Society Islands, 1909 ...	1½*d.*
	Germany:	
4494	Baden, 1909...	1*d.*
4565	Bavaria, 1909 and part of 1910	2½*d.*
4566	Berlin, 1909...	4*d.*
4477	Dantzig. 1909	4½*d.*
4541	Düsseldorf, 1909	4½*d.*
4393	Finances, 1909	3*d.*

No.	Place.	Price
	EUROPE (*continued*)—	
	Germany (*continued*)—	
4570	Frankfort, 1909-10... ...	10*d.*
4521	Hamburg, 1909	5*d.*
4514	Leipzig, 1909	2*d.*
4436	New Guinea, German, 1909.	1*d.*
4517	Pomerania, 1909	3*d.*
4543	Samoa, 1909...	2½*d.*
4563	Saxony, finances of, 1910-11	1*d.*
4428	South-West Africa, German, 1909	2*d.*
4528	Togoland, 1908-9	1*d.*
	Greece:	
4458	Corfu, 1909	2*d.*
4443	Cyclades, 1909	4*d.*
4444	Morea, Ætolia, and Acarnania, 1909	2½*d.*
4484	Piræus, 1909	3½*d.*
4492	Thessaly, 1909	1½*d.*
	Italy:	
4536	Finances of Italy, 1909 ...	2*d.*
4401	Florence, 1908	4½*d.*
4431	Genoa, 1909...	5½*d.*
4395	Italy, 1908	1½*d.*
4546	Lecce, 1909	5½*d.*
4553	Leghorn, 1909	1*d.*
4544	Lombardy, 1909	4*d.*
4485	Rome, 1909	1½*d.*
4441	Sicily, 1909	5*d*
4564	Southern Italy, 1909 ...	2½*d.*
4406	Venice, 1908-9	2½*d.*
	Netherlands:	
4415	Amsterdam, 1909	2½*d.*
4434	Java, 1909	5*d.*
4412	Rotterdam, 1909	2½*d.*
4580	Surinam, 1909	4*d.*
	Norway:	
4539	Norway, 1909	4*d.*
	Portugal:	
4413	Azores, 1909...	2*d.*
4501	Chinde, 1909	1*d.*
4410	Goa, 1908-9...	1*d.*
4595	Guinea, Portuguese, 1909 ...	½*d.*
4470	Lisbon, 1909	2*d.*
4466	Madeira, 1909	3*d.*
4430	Mozambique, 1909	4*d.*
4486	Oporto, 1909	1½*d.*

Government Publications.

Foreign Office Reports—*continued.*

No.	Place.	Price
	EUROPE (*continued*)—	
	Roumania:	
4445	Roumania, 1909	3½*d.*
	Russia:	
4457	Batoum, 1909	3½*d.*
4574	Budget for 1910, Report on.	1*d.*
4535	Finland, 1909	3*d.*
4533	Moscow, 1909	4*d.*
4537	Odessa, 1909	8*d.*
4567	Poland and Grodno, 1909 ...	4½*d.*
4600	Reval, 1909	2*d.*
4582	Riga, 1909	4½*d.*
4551	Russia and St. Petersburg District, 1909	5½*d.*
4452	Vladivostock, 1908 & 1909..	3½*d.*
	Servia:	
4480	Finances, 1910	1*d.*
4586	Servia, 1909	1½*d.*
	Spain:	
4461	Asturias, Galicia and Leon, 1909	4*d.*
4520	Barcelona, 1909	6*d.*
4572	Bilbao, 1909...	5½*d.*
4448	Canary Islands, 1909 ...	2½*d.*
4409	Gulf of Guinea Possessions, 1909	1*d.*
4583	Malaga, 1909	3½*d.*
4476	Seville, 1909	2½*d.*
4421	Spain, 1909	3*d.*
	Sweden:	
4414	Budget, 1911	1½*d.*
4527	Gothenburg, 1909	2½*d.*
4481	Stockholm, 1909	5½*d.*
	Switzerland:	
4394	Switzerland, 1908	2½*d.*
	Turkey:	
4463	Adrianople, 1909	2½*d.*
4526	Aleppo, 1909	3*d.*
4482	Baghdad, 1909	1½*d.*
4513	Basra, 1909	3*d.*
4496	Beirut & Coast of Syria, 1909	2*d.*
4495	Constantinople, 1909 ...	2½*d.*
4467	Damascus, 1909	2*d.*
4545	Erzeroum, 1909	1½*d.*
4471	Jerusalem, 1909	1½*d.*
4579	Salonica, 1909	3½*d.*
4598	Smyrna, 1909	4½*d.*
4538	Trebizond, 1909	2½*d.*
	AFRICA—	
	Egypt:	
4554	Alexandria, 1909	6*d.*
	Liberia:	
4449	Liberia, 1909	5½*d.*
	AFRICA (*continued*)—	
	Morocco:	
4581	Casablanca, 1909	3½*d.*
4509	Morocco, 1908	5*d.*
	Sudan:	
4407	Port Sudan, 1909	½*d.*
	Tunis:	
4590	Tunis, 1909	3*d.*
	ASIA—	
	China:	
4531	Amoy, 1909	1*d.*
4530	Canton, 1909	1½*d.*
4419	Changsha, 1909	3*d.*
4438	Chefoo, 1909	4½*d.*
4556	China, 1909	5*d.*
4508	Chinan and Tsingtau, 1909..	1*d.*
4424	Chinkiang, 1909	4½*d.*
4489	Chungking, 1909	3*d.*
4588	Foochow, 1909	3*d.*
4529	Hankow, 1909	2½*d.*
4432	Ichang and Shasi, 1909 ...	½*d.*
4490	Kiukiang, 1909	3*d.*
4549	Kiungchow (Hoihow), 1909.	2½*d.*
4442	Nanking, 1909	3*d.*
4552	Ningpo, 1909	3*d.*
4440	Newchwang, 1909	3*d.*
4472	Pakhoi, 1909	4*d.*
4592	Shanghai, 1909	1½*d.*
4555	Swatow, 1909	3*d.*
4505	Tientsin, 1909	3*d.*
4578	Wenchow, 1909	2½*d.*
4497	Wuchow, 1909	1*d.*
4420	Wuhu, 1909...	3*d.*
	Corea:	
4475	Corea, 1909	2½*d.*
	Japan:	
4504	Dairen, 1909	5½*d.*
4439	Hakodate, 1909	5*d.*
4511	Japan, 1909	4½*d.*
4573	Kobe, 1909	6*d.*
4451	Nagasaki, 1909	3*d.*
4500	North Formosa, 1909 ...	2½*d.*
4460	Tainan (Formosa), 1909 ...	2½*d.*
4519	Yokohama, 1909	2½*d.*
	Persia:	
4594	Arabistan, 1909-10 ...	2½*d.*
4602	Bahrein Islands, 1909–10 ...	2½*d.*
4437	Bunder Abbas and Lingah, 1908–9	4*d.*
4561	Bunder Abbas, 1909-10 ...	3*d.*
4397	Bushire, 1908–9	4*d.*
4606	„ 1909-10	3½*d.*
4598	Caspian Provinces, 1907–9	6*d.*
4493	Kerman, 1909-10	½*d.*
4559	Kermanshah, 1909–10 ...	3*d.*
4604	Khorasan, 1909-10 ...	3½*d.*
4487	Persia, 1908–9	2*d.*

Government Publications.

Foreign Office Reports—*continued.*

No.	Place.	Price
	ASIA (*continued*)—	
	Persia (*continued*)—	
4396	Seistan and Kain, 1908–9...	3½*d.*
4587	„ „ 1909-10	2½*d.*
	Siam:	
4417	Bangkok, 1908-9	3*d.*
4550	Chiengmai, 1909	2½*d.*
4404	Chumpawn, 1908–9 ...	2½*d.*
4589	Nakon Sritamarat and Patani, 1909	3½*d.*
	AMERICA, NORTH—	
	Mexico:	
4454	Colima, 1909	1½*d.*
4498	Mexico, 1909	3½*d.*
4418	Progreso, 1909	½*d.*
4465	Salina Cruz, 1909	1*d.*
4453	Tampico, 1909	1*d.*
4464	Vera Cruz, 1909	1½*d.*
	United States:	
4426	Baltimore, 1909	3*d.*
4473	Boston, 1909	6½*d.*
4507	Chicago, 1909	3*d.*
4425	Galveston, 1909	3*d.*
4601	Hawaii, 1908-9	2½*d.*
4542	New Orleans, 1909	2½*d.*
4408	New York, New Jersey, Rhode Island and Connecticut States, 1909 ...	2½*d.*
4499	Philadelphia, 1909	2½*d.*
4506	Portland (Oregon), 1909 ...	4*d.*
4558	Portland (Oregon), Agriculture in 1909	1*d.*
4433	Porto Rico, 1909	3½*d.*
4462	St. Louis, 1909	5*d.*
4459	San Francisco, 1909 ...	3*d.*
4416	Savannah, 1909	3*d.*
	AMERICA, CENTRAL—	
	Costa Rica:	
4469	Costa Rica, 1909	1*d.*
	Guatemala:	
4585	Quezaltenango, 1909 ...	1*d.*
	Honduras:	
4503	Honduras, 1908-9	1*d.*
	Panama:	
4571	Panama, 1909	3½*d.*
	AMERICA, SOUTH—	
	Argentina:	
4568	Buenos Aires, 1909... ...	1*d.*
4534	Rosario, 1909	3½*d.*
	Bolivia:	
4584	Bolivia	4*d.*
	Brazil:	
4488	Bahia, 1909...	2½*d.*
4575	Brazil, 1909...	11½*d.*
4435	Pernambuco, 1909... ...	2*d.*
4547	Rio Grande do Sul, 1909 ...	1*d.*
4523	Santa Catherina, 1909 ...	1*d.*
4525	Santos, 1909...	1½*d.*
	Chile:	
4512	Coquimbo, 1909	2*d.*
4510	Iquique, 1909	4½*d.*
4540	Valparaiso, 1909	5*d.*
	Colombia:	
4400	Cartagena, 1908	1*d.*
4518	Santa Marta	1*d.*
678	*Railways of Colombia* ...	3*d.*
	Ecuador:	
4560	Ecuador, 1909	1*d.*
	Paraguay:	
4569	Paraguay, 1909	3*d.*
	Peru:	
4522	Iquitos, 1909	½*d.*
4423	Trade, Commerce and Finance, 1908 and 1909...	3*d.*
	Uruguay:	
4399	Supplementary Report on Trade, 1907-8, and Finances, 1909-10	1*d.*
4605	Uruguay, 1909	4½*d.*
	Venezuela:	
4411	Ciudad Bolivar, 1909 ...	3*d.*
4515	Venezuela, 1908-9 ...	4½*d.*
	WEST INDIES—	
4403	Cuba, 1908	1*d.*
4427	Cuba, 1909	1*d.*
4447	Hayti and Santo Domingo, 1909	4½*d.*

Government Publications.

COLONIAL OFFICE REPORTS.

The following Reports (Miscellaneous) relating to H.M. Colonial Possessions, issued since 1st January, 1910, may be obtained from Messrs. Wyman & Sons, Ltd., Fetter Lane, London, E.C.; in Scotland, from Messrs. Oliver & Boyd, Tweeddale Court, Edinburgh; and in Ireland, from Messrs. E. Ponsonby, Ltd., 116, Grafton Street, Dublin:—

No.	—	Price.
	Annual—	
629	Leeward Islands, 1908–9	6*d.*
630	Southern Nigeria, 1908...	5½*d.*
631	British Honduras, 1908...	3*d.*
632	British Guiana, 1908–9...	3½*d.*
633	Northern Nigeria, 1908–9	1*s.* 1*d.*
634	Basutoland, 1908–9	2½*d.*
635	East Africa Protectorate, 1908-9, with a Return of Land, Industrial and Mining Concessions	3*d.*
636	Uganda, 1908-9	4½*d.*
637	Weihaiwei, 1909	1*d.*
638	St. Helena, 1909	3½*d.*
639	Northern Territories of the Gold Coast, 1909	1½*d.*
640	Ashanti, 1909	1½*d.*
641	Gambia, 1909	1½*d.*
642	Malta, 1909-10	6*d.*
643	Seychelles, 1909	3½*d.*
644	Colonial Survey Committee Report, 1909-10; Surveys of British Africa, Ceylon, Cyprus, Fiji, Jamaica, Trinidad, British Honduras	1*s.* 7*d.*
645	Falkland Islands, 1909	1½*d.*
646	Turks and Caicos Islands, 1909	1*d.*
647	Gibraltar, 1909	1*d.*
648	Sierra Leone, 1909	5½*d.*
649	Somaliland, 1909–10	1½*d.*
650	Bahamas, 1909-10	4*d.*
651	Tongan Islands Protectorate, 1909	1*d.*
—	Cyprus, 1909-10...	4*d.*
652	Bechuanaland Protectorate, 1909-10	1*d.*
653	Ceylon, 1909	5½*d.*
654	Gold Coast, 1909	3½*d.*
655	Nyasaland, 1909-10	4½*d.*
656	Imperial Institute, Report on work of, during 1909	2½*d.*
657	Fiji, 1909	2½*d.*
658	Grenada, 1909	3*d.*
659	Hong Kong, 1909	4*d.*
660	Barbados, 1909-10	2½*d.*
661	Swaziland, 1909-10	1½*d.*
	Miscellaneous—	
66	Gold Coast: Report on Forests	1*s.* 1*d.*
67	Southern Nigeria: Report on the Results of the Mineral Survey, 1905-6	2*d.*
68	Southern Nigeria: Report on the Results of the Mineral Survey, 1906-7	2½*d.*
69	St. Helena: Report on Forests	1½*d.*
70	List of Colonial Laws dealing with Patents, Designs, Trade Marks, and the Marking of Merchandise, and Regulations issued thereunder	1*d.*
71	Imperial Institute: Selected Reports from the Scientific and Technical Department. III. Foodstuffs	3½*d.*
72	Fiji: Report on the Hurricane of March, 1910	4*d.*
73	Cayman Islands (Jamaica): Report on	5½*d.*
74	Ceylon; Report on the Results of the Mineral Survey, 1906-7 and 1907-8	3½*d.*

Confidential Information as to Openings Abroad for British Trade, &c.

The arrangement inaugurated on 1st January, 1907, whereby the names of British firms desirous of receiving confidential information as to opportunities for the extension abroad of those branches of trade in which they are specially interested, and as to other connected matters, are placed on a special Register at the Commercial Intelligence Branch of the Board of Trade, has met with widespread approval, as evidenced by the steady increase in the number of names so registered. Formerly no charge was made for admission to the Register, the only requirement being subscription to the "Board of Trade Journal." The great increase in the number of names inscribed, and in the amount of information distributed has, however, rendered it necessary to make a small charge for the service, and accordingly firms desirous of utilising this source of information are now (since 1st April, 1910) required to pay an annual fee of one guinea to the Accountant General, Board of Trade, Whitehall Gardens, London, S.W., for the service, *including the supply of the "Board of Trade Journal,"* instead of merely subscribing to the "Journal," as previously, through the Government Sale Agents. British firms who wish to have their names registered should apply in writing to the Director, Commercial Intelligence Branch, 73, Basinghall Street, London, E.C., for the necessary form of application.

Admission to the Register and retention upon it will be, as heretofore, at the discretion of the Board of Trade.

The confidential information which is communicated to firms upon the register is received from His Majesty's Consular Officers in Foreign Countries, from His Majesty's Trade Commissioners and the Imperial Trade Correspondents in the British Dominions, and from other sources available to the Commercial Intelligence Branch.

It may be stated that confidential information thus received relates mainly to openings for British trade abroad, and is communicated to firms on the Register in Circular letters. During 1909, 1,104 such Circular letters were prepared, and copies (totalling 51,816) were despatched to firms on the Register interested in the trades to which the Circular letters respectively related.

NOTE.—Apart from the Special Register arrangements referred to above, the Commercial Intelligence Branch is always ready to answer enquiries on specific subjects, as far as possible, in the interests of British trade (see below).

Commercial Intelligence Branch of the Board of Trade.

The Intelligence Branch of the Commercial Department of the Board of Trade (73, Basinghall Street, London, E.C.) is intended to be a centre at which information on all subjects of commercial interest shall be collected and classified in a form convenient for reference, and at which, so far as the interests of British trade permit, replies shall be given to enquiries by traders on commercial matters. On application being made to it either personally or by letter, the Branch supplies, so far as is possible, information with regard to the following

COMMERCIAL INTELLIGENCE BRANCH OF THE BOARD OF TRADE—*cont.*

subjects, viz.: Commercial Statistics; Matters relating to Foreign and Colonial Tariffs and Customs Regulations; Lists of Firms Abroad engaged in particular lines of business in different localities; Foreign and Colonial Contracts open to Tender; Sources of Supply, Prices, &c., of Trade Products; Forms of Certificates of Origin; Regulations concerning Commercial Travellers, &c.. &c.

There is a Sample Room at the offices of the Branch, where, in addition to samples illustrative of reports of H.M. Consuls or of the Correspondents or Special Commissioners of the Board of Trade, specimens of special interest that may be received from India, the Colonies, &c., are exhibited from time to time.

The "Board of Trade Journal" is the principal medium through which intelligence collected by the Commercial Intelligence Branch, and intended for general information, is conveyed to the public. The "Journal" is issued weekly at the price of 3*d.*, the annual rate, inclusive of postage within the United Kingdom, being 15*s.* 2*d.* All applications respecting subscription, or the purchase of single copies, should be addressed in London to Messrs. Wyman & Sons, Ltd., Fetter Lane, E.C.; in Edinburgh to Messrs. Oliver and Boyd, Tweeddale Court; and in Dublin to Messrs. E. Ponsonby, Ltd., 116, Grafton Street. Copies may also be obtained from Messrs. G. Street & Co., Ltd., 30, Cornhill, E.C.

All communications intended for the Commercial Intelligence Branch of the Board of Trade should be addressed to: *The Director, Commercial Intelligence Branch, Board of Trade, 73, Basinghall Street, London, E.C.*

Trade Enquiry Offices of the Self-Governing Dominions.*

Trade Enquiry Offices are maintained in London at the following addresses by the Governments indicated, viz.:—

Dominion of Canada ...	17, Victoria Street, S.W. (Branch Office: 73, Basinghall Street, E.C.).
Commonwealth of Australia	72, Victoria Street, S.W.
New South Wales ...	123-5, Cannon Street, E.C.
Victoria	Melbourne Place, Strand, W.C.
Queensland ...	409, West Strand, W.C.
South Australia ...	85, Gracechurch Street, E.C.
Western Australia...	15, Victoria Street, S.W.
Tasmania	5, Victoria Street, S.W.
Dominion of New Zealand	13, Victoria Street, S.W.
Union of South Africa ...	Trades Commissioner, 98, Victoria Street, S.W.

* Trade enquiries in regard to **Rhodesia** may be made at the office of the British South Africa Co., 2, London Wall Buildings, E.C.

Vol. LXXI. No. 735.

Price THREE PENCE.

Registered as a Newspaper.] PUBLISHED WEEKLY. [*All Rights Reserved.*

GENERAL LIBRARY, UNIV. OF MICH., JAN 12 1911

THE Board of Trade Journal

Edited by the Commercial Department of the Board of Trade.

DECEMBER 29, 1910.

	PAGE
OPENINGS FOR BRITISH TRADE	601
EXHIBITIONS	615
BRITISH TRADE WITH AUSTRALASIA: VISIT OF H.M. TRADE COMMISSIONERS	616
HANDBOOK OF THE COMMERCIAL INTELLIGENCE BRANCH	617
BRITISH TRADE ABROAD (NEW ZEALAND. EGYPT. LINGAH. PANAMA)	617
SUGAR PRODUCTION OF EUROPE...	619
FOREIGN TRADE OF BURMA IN 1909–10	619
TRAFFIC OF UNITED STATES GOODS ACROSS PANAMA AND TEHUANTEPEC RAILWAYS	620
BERNE CONVENTION FOR PROHIBITING MATCHES OF WHITE OR YELLOW PHOSPHORUS: LIST OF COLONIES WHICH HAVE ADHERED	621
PROPOSED TARIFF CHANGES	622
TARIFF CHANGES AND CUSTOMS REGULATIONS	623
SHIPPING AND TRANSPORT	629
MINERALS, METALS, AND MACHINERY	629
YARNS AND TEXTILES	632
AGRICULTURAL AND FOREST PRODUCTS	633
MISCELLANEOUS	636
STATISTICAL TABLES	640
GOVERNMENT PUBLICATIONS (BOARD OF TRADE,* &C.)	641
CONFIDENTIAL INFORMATION AS TO OPENINGS ABROAD FOR BRITISH TRADE, &C.	647
COMMERCIAL INTELLIGENCE BRANCH OF THE BOARD OF TRADE ...	647
TRADE ENQUIRY OFFICES OF THE SELF-GOVERNING DOMINIONS ...	648

For list of contents in detail see p. vi. of Advertisements.

* *For list of principal publications of Board of Trade see p. i. of Advertisements.*

LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE
BY JAS. TRUSCOTT & SON, LTD., UPPER THAMES STREET, LONDON, E.C.
And to be purchased either directly or through any Bookseller, from
WYMAN & SONS, LTD., FETTER LANE, E.C.; or
OLIVER & BOYD, TWEEDDALE COURT, EDINBURGH; or
EDWARD PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.
SOLE CONTRACTORS FOR ADVERTISEMENTS:—LAUGHTON & CO., LIMITED,
3, WELLINGTON STREET, STRAND, W.C.

For Shippers' and Manufacturers' Advertisements, &c. (Index of) see pages vii.-xxv. *of Advertisements.*

HOME AND EXPORT. ***ESTABLISHED 1891.***

ALMOND'S GROUP OF TYRES

If you will write us now you will hear of something to your advantage.

OUR TYRES WILL HELP YOU.

WE OFFER YOU THE RIGHTS OF SOLE IMPORTATION.

TRADE MARK

ALMOND'S, CAMP STREET, MANCHESTER, ENGLAND.

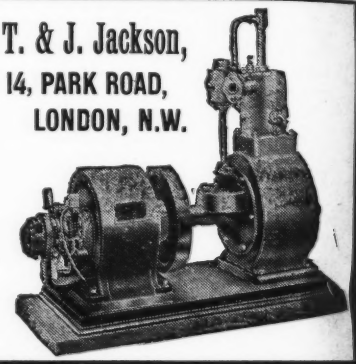
JACKSON'S "EFFICIENT" LIGHTING SET consists of a Petrol or Gas Engine, coupled direct to a shunt-wound Dynamo, and is capable of running 120 lamps of 8-candle power.

We claim that our Lighting Set is the best yet introduced for lighting Houses, Bungalows, Clubs, &c., requiring from 20 to 120 lamps.

Price of Engine, Dynamo and Accumulator, this size, £70.

Larger and smaller sizes are made.

T. & J. Jackson,
14, PARK ROAD,
LONDON, N.W.



C.A.HARVEY & Co.
METAL PERFORATORS
LEWISHAM, LONDON.S.E.

DIVING APPARATUS

Highest Awards Franco-British Exhibition.

Diploma of Honour. PATENT TELEPHONE & AIR HOSE.

Three Gold Medals. PATENT SUBMARINE TELEPHONE.

Contractors to British Admiralty.

C. E. HEINKE & CO.,
87, 88 & 89, Grange Road,
BERMONDSEY, LONDON, S.E.

Telegrams: *HEINDIG, LONDON.* *Codes:* *A.B.C. 4th & 5th Editions.* *Telephone:* *1998 HOP.*

9, 1910

S

ARK

ID.

US

als.
RINE

O.,

E.

phone:
S HOP.

Board of Trade Journal.

ISSUED WEEKLY BY THE BOARD OF TRADE.

LIST OF PRINCIPAL PUBLICATIONS OF THE BOARD OF TRADE.

To be purchased, either directly or through any Bookseller, from any of the following Agents, viz.:
WYMAN & SONS, LTD., 109, FETTER LANE, E.C.;
And from their sub-agents, G. STREET & Co., LTD., 30, CORNHILL, LONDON, E.C.
OLIVER & BOYD, TWEEDDALE COURT, EDINBURGH; or,
EDWARD PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

I.—ANNUAL PUBLICATIONS:—

Annual Statement of the Foreign Trade of the United Kingdom. Vol. I., 1909. [Cd. 5159/10.] Price 5*s.* 2*d.* Vol. II., 1909. [Cd. 5298/10.] Price 3*s.* 2*d.* Supplement to Vols. I. and II., 1908. [Cd. 4949/09.] Price 4*s.*
Annual Statement of the Navigation and Shipping of the United Kingdom for the Year 1909. [Cd. 5292/10.] Price 2*s.* 9*d.*
Bankruptcy. Report for the Year 1909. [H.C. 261/10.] Price 7*d.*
Coal Exports for 1909. [H.C. 109/10.] Price 4½*d.*
Coal Tables.—Statistical Tables and Report relating to Coal and Petroleum Production in the Principal Countries of the World, 1885—1909. [H.C. 271/10.] Price 6*d.*
Colonial Import Duties Return, 1910. [Cd. 5394/10.] Price 3*s.* 1*d.*
Companies. Nineteenth Annual Report, 1909. [H.C. 168/10.] Price 1*s.* 5*d.*
Consular Reports Index, 1909. [Cd. 5322/10.] Price 8½*d.*
Emigration and Immigration.—Statistical Tables and Report, 1909. [H.C. 137/10.] Price 4½*d.*
Foreign Import Duties, 1910. [Cd. 5297/10.] Price 4*s.*
Imports and Exports, 1900-09, at prices of 1900. [Cd. 5160/10.] Price 2½*d.*
Labour Statistics of the United Kingdom, 1907-08. [Cd. 5041/10.] Price 1*s.* 3*d.*
Life Assurance Companies' Return, 1909. [H.C. 132/10.] Price 3*s.* 9*d.*
Merchant Shipping, 1908.—Tables showing the Progress of Merchant Shipping in the United Kingdom and the principal Maritime Countries, 1908. [H.C. 167/10.] Price 8½*d.*
Patent Office.—Report for the Year 1909. [H.C. 94/10.] Price 2½*d.*
Railway Returns of the United Kingdom for the Year 1909. [Cd. 5293/10.] Price 1*s.* 3*d.*
Statistical Abstract for the United Kingdom. 1895-1909. [Cd. 5296/10.] Price 1*s.* 8*d.*
Statistical Abstract for the British Empire. 1894-1908. [Cd. 5094/10.] Price 1*s.* 3*d.*
Statistical Abstract for the Colonies. 1894-1908. [Cd. 4984/09.] Price 2*s.*
Statistical Abstract for Foreign Countries. 1897 to 1907-08. [Cd. 5053/10.] Price 1*s.* 7*d.*
Statistical Tables relating to British Colonies, Possessions and Protectorates. Part XXXIII. 1908. [Cd 5295/10.] Price 6*s.* 4*d.*
Strikes and Lock-outs, and Conciliation and Arbitration Boards in the United Kingdom in 1909. [Cd. 5325/10.] Price 6½*d.*
Wages and Hours of Labour, changes in 1909. [Cd. 5324/10.] Price 6½*d.*
Weights and Measures. Report for 1908-9. [H.C. 58/10.] Price 5½*d.*

II.—MONTHLY PUBLICATIONS:—

Board of Trade Labour Gazette. December, 1910. Price 1*d.*
Trade and Commerce of certain Foreign Countries and British Possessions. [H.C. 69. IX.] Price 4½*d.*
Trade and Navigation of the United Kingdom. November, 1910. [H.C. 43. X.] Price 1*s.* 4*d.*

III.—OCCASIONAL PUBLICATIONS:—

Bankruptcy Law Amendment.—Report of Departmental Committee. [Cd. 4068/08.] Price 5*d.*
British and Foreign Trade and Industry. Memoranda, Statistical Tables and Charts. 1st Series [Cd. 1761/1903.] Price 3*s.* 6*d.* 2nd Series [Cd. 2337/04.] Price 3*s.* 6*d.* Index to the two vols. [Cd. 2669/05.] Price 6*d.* Supplementary Return. [H.C. 190/07.] Price 1*d.* Statistical Tables and Charts, 1854/1908. [Cd. 4954/09.] Price 5*s.* 2*d.*
Census of Production (1907).—Preliminary Tables. Part I. [Cd. 4896/09.] Price 4*d.* Part II. [Cd 5005/10.] Price 4*d.* Part III. [Cd. 5162/10.] Price 7½*d.* Part IV. [Cd. 5254/10.] Price 8*d.* Part V. [Cd. 5397.] Price 5½*d.*
Certificates of Origin. Memorandum. [Cd. 5347/10.] Price 4½*d.*
Coal exported—prices of. [H.C. 77/10.] Price 2½*d.*
Collective Agreements between Employers and Workpeople in the United Kingdom. [Cd. 5366.] Price 2*s.* 2*d.*
Commercial Intelligence Committee. Report (August, 1905, to August, 1909). [Cd. 4917/10.] Price 2*d.*
Commercial Mission to Australia.—Report on the Conditions and Prospects of British Trade. [Cd. 3639/07.] Price 11*d.*
Commercial Mission to Canada.—Report on the Conditions and Prospects of British Trade. [Cd. 3868/08.] Price 1*s.* 5*d.*
Commercial Mission to New Zealand.—Report on the Conditions and Prospects of British Trade. [Cd. 3367/08.] Price 8*d.*
Commercial Mission to Newfoundland.—Special Commissioner's Report. [Cd. 4153/08.] Price 5*d.*
Commercial Travellers. Memorandum. [Cd. 5189/10.] Price 8*d.*
Company Laws in the British Empire. [Cd. 3589/07.] Price 6*d.*
Conciliation (Trades Disputes) Act, 1896. Seventh Report. [H.C. 5/10.] Price 8½*d.*
Cost of Living of the Working Classes in the United Kingdom. Report by the Board of Trade. [Cd. 3864/08.] Price 6*s.*
Cost of Living in German Towns. Report by the Board of Trade. [Cd. 4032/08.] Price 4*s.* 11*d.*
Cost of Living in French Towns. Report by the Board of Trade. [Cd. 4512/09.] Price 4*s.* 1*d.*
Cost of Living in Belgian Towns. Report by the Board of Trade. [Cd. 5065/10.] Price 2*s.* 2*d.*
Earnings and Hours Enquiry. Report by the Board of Trade. I. Textile Trades in 1906. [Cd. 4545/09.] Price 2*s.* 7*d.* II. Clothing Trades in 1906. [Cd. 4844/09.] Price 2*s.* 5*d.* III. Building and Woodworking Trades in 1906. [Cd. 5086/10.] Price 1*s.* 10*d.* IV. Public Utility Services (Roads, Sanitation, Gas, Electricity, Water, Tramways and Omnibuses) in 1906. [Cd. 5196/10.] Price 1*s.* 9*d.* V. Agriculture in 1907. [Cd. 5460.] Price 8½*d.*
Exports and Imports (United Kingdom). [H.C. 262/09.] Price 1½*d.*
Foreign Countries (Preference to Colonies). Return. [H.C. 296/09.] Price 2½*d.*
Handbook to the Commercial Intelligence Branch of the Board of Trade. Price 2*d.*
Imports (Pork, &c.; Beef and Mutton, &c.; Wheat; Wheat Flour). Return. H.C. 278. Price ½*d.*
Inter-Imperial Trade. [H.C. 133/07.] Price ½*d.*
Iron and Steel, 1907. Statistical Tables. [H.C. 376/08.] Price 3*d.*
Joint Stock Companies' Return. [H.C. 257/07.] Price 9*d.*
Labour Statistics, foreign. [Cd. 3120/06.] Price 1*s.* 6*d.*
Railway Conference Report. [Cd. 4677/09.] Price 1*s.* 5*d.*
Railways in Austria and Hungary. [Cd. 4878/09.] Price 10½*d.*
Railways in Belgium, France and Italy. [Cd. 5106/10.] Price 2*s.* 4*d.*
Railways (Foreign Countries and British Possessions). Return. [H.C. 331/07.] Price 7*d.*
Standard Time Rates of Wages. [Cd. 4924/09.] Price 6*d.*
Sugar. Return showing production, imports and exports, consumption, &c., of various countries. [H.C. 334/07.] Price 5½*d.*
Tariffs:
- Translation of new Austro-Hungarian Tariff. [Cd. 2917/06.] Price 1*s.* 3*d.*
- Translation of new Bulgarian Tariff. [Cd. 2862/06.] Price 6*d.*
- Translation of new Danish Tariff. [Cd. 4267/08.] Price 6*d.*
- Translation of new French Tariff. [Cd. 5127/10.] Price 11½*d.*
- Translation of new German Tariff. [Cd. 2414/05.] Price 1*s.* 10*d.*
- Translation of new Roumanian Tariff. [Cd. 2828/06.] Price 7*d.*
- Translation of new Russian Tariff. [Cd. 2857/06.] Price 9*d.*
- Translation of new Servian Tariff. [Cd. 3749/08.] Price 8*d.*
- Translation of new Spanish Tariff. [Cd. 3066/06.] Price 5½*d.*
- Translation of new Swiss Tariff. [Cd. 2768/06.] Price 7*d.*
- Copy of new United States Tariff. [Cd. 4856/09.] Price 10½*d.*
- Copy of new Tariff of the Philippine Islands. [Cd. 4903/09.] Price 6½*d.*

Trade Unions in 1905–7. [Cd. 4651/09.] Price 11½*d.*
United Kingdom (Trade, Commerce, and Condition of People). [H.C. 329/09.] Price ½

CONTRACTS.

County Borough of Croydon.

Tenders for Drain Pipes, Stores, and Road Materials.

Notice is hereby given that the Council are prepared to receive tenders for the Supply of Stoneware Drain Pipes of various sizes for the year ending 31st March, 1912.

The Council are also prepared to receive tenders for the Supply of Stores and Road Materials for the same period, consisting of the following articles:—

Roads Department.

(a) Stores.—Brooms, Brushes, Shovels, Scoops, Picks, Buckets, Hammers, Rakes, Nails, Forks, Pick Shafts, Watching Lanterns, Sieves, Broom Handles, Crystal Oil, &c.

(b) Road Materials.—Broken Granite, Granite Chippings, Kentish Ragstone, and Portland Cement.

Sanitary Department.

Manhole Ventilator Covers, Manhole Steps, Grafting Tools, Shovels, and Benzoline.

Waterworks Department.

Meter Covers, Stop Cock Casings, Fire Plug Covers and Plates, Flushing Cock Covers, Valve Blocks and Casings, Fire Bars, and Lamp Oil.

Samples of the Stores required for the Roads Department may be seen at the Corporation Roads Depot, Factory Lane, and tender forms obtained at the Borough Road Surveyor's Office, Town Hall, Croydon.

Samples of the Stores required for the Sanitary and Waterworks Departments may be seen at the Waterworks Stores at Surrey Street, Croydon, and tender forms obtained at the Borough Engineer's Office, Town Hall, Croydon.

Tenders for Drain Pipes and Road Materials will only be received subject to the draft contracts and the terms of conditions of contract which have been deposited at my office, and may be inspected during office hours.

Tenders to be sent to me by 11 o'clock in the forenoon of Monday, the 16th January, 1911, endorsed "Tender for ——," as the case may be.

The Council will not be bound to accept the lowest tender, the whole of, or any portion of any tender, and reserve to themselves the right to accept the whole or a portion of any tender.

F. C. LLOYD, Town Clerk.

Town Hall, Croydon,
15th December, 1910.

Metropolitan Borough of Poplar.

The Works Committee of the Council of the above-named Borough invite tenders for—

Removal of Road Sweepings by Barge or Rail,
Purchase and Removal of Destructor Clinker,
Purchase of Scrap-Iron and Old Dust Pails and for Supply of
Iron Castings for Sewerage and Drainage Works,
Stoneware Sewer and Drain Pipes, &c.,
Scavengers' Brooms,
Rotary Machine Sweeping Brushes, and Re-filling Old Stocks,
Paints, Varnishes, &c.,
Portland Cement,

for the year ending 31st March, 1912.

Contractors will be required to pay Trade Union rates of wages and observe Trade Union hours of labour in respect of any persons employed in or about a contract, and not to sublet any portion of the contract without permission.

All particulars may be obtained on application to the Borough Surveyor, Mr. Harley Heckford, A.M.I.C.E., at the Council Offices, and forms of tender and specifications, except for purchase of scrap-iron and old dust pails, will be supplied on payment of a deposit of one guinea in cash, which will be refunded on receipt of a bona-fide tender and the return of all documents.

Samples may be inspected by arrangement.

Sealed tenders, with inscription showing the work tendered for, to be delivered to the undersigned on or before noon on Monday, the 23rd January, 1911.

The Committee do not bind themselves to recommend the acceptance of the lowest or any tender.

LEONARD POTTS,
Town Clerk.

Council Offices,
High Street, Poplar,
13th December, 1910.

REYNOLDS & BRANSON

LIMITED,

BEST TRADE MARK. A SNOW CRYSTAL.

Chemical & Scientific Instrument Makers to H.M. Home, Indian and Colonial Governments.

MANUFACTURERS & EXPORTERS OF
Chemical, Physical, Optical and Photographic Apparatus, Pure Chemicals and Reagents, Laboratory Fittings, Optical Lanterns, etc., etc.

CATALOGUES POST FREE.

LEEDS, ENGLAND.

DANYSZ VIRUS is not a Poison, but DESTROYS

RATS & MICE

Harmless to Human Beings, Domestic & other Animals, &c.

Single Tube, 2/- Three Tubes, 5/-

Post free from—

DANYSZ VIRUS, LTD., Box Z.Z.
52, Leadenhall Street, London, E.C.,
and of all Chemists.

DELICIOUS COFFEE

RED WHITE & BLUE

For Breakfast & after Dinner.

WHOLESALE:

HANSONS, LONDON, ENGLAND.

OILS *of every description,*

Lubricating Greases,

PAINTS, VARNISHES,

Disinfectants, &c.

FRANK HOW & CO.,

TROGON WHARF,

STRATFORD, LONDON, E.

TAR, PITCH, CREOSOTE.

REGISTERED TRADE MARK.

ESTABLISHED 1862.

THOMAS CROW & SONS,
West Ham, London.

The Indian Tea Planters' Combination, 5, FENCHURCH ST., LONDON, E.C.

Try the Popular 'COOLIE' Brand.

PURE COCOA, TEA, COFFEE.

In ¼ lb., ½ lb., and 1 lb. Handsomely Decorated Tins.

Founded 1880. Agents Wanted.

The Proprietors of the Patent No. 28,313 of 1906, for **"Means for Simultaneously Writing a Plurality of Signatures or Inscriptions,"** are desirous of entering into arrangements by way of licence and otherwise on reasonable terms for the purpose of exploiting the same, and ensuring its full development and practical working in this country. All communications should be addressed in the first instance to—

HARRIS & MILLS,
23, Southampton Buildings,
Chancery Lane, London, W.C.

GLUES, GELATINES, GREASE, MANURES, &c.

For Prices apply to the Manufacturers,

The Grove Chemical Co.,
LIMITED,
CROWN WORKS,
APPLEY BRIDGE, WIGAN

Telegrams: "Crown, Appley Bridge."
Telephone: No. 12 Parbold.

Permanently destroys Weeds on Walks, Roads, Garden Paths, &c. Used in Government Gardens, Calcutta, and other parts of India. Tested and recommended by the Agri-Horticultural Society of India. Used for years in Royal Gardens, Kew, &c., &c.

Dissolves quickly in cold water. Size No. 1 sufficient to make 250 gals., 12/- tin.

Arsenate of Lead; Arsenite of Soda; &c.

ACME CHEMICAL CO., LTD.
Tonbridge, Kent, and
River Street, Bolton, Lancashire.

PALMER'S TRAVELLING CRADLE.

THE SAFEST SCAFFOLD EVER USED.

Can be fixed anywhere. Thousands fixed without accident.

OUR PATENT LADDER SCAFFOLD,

Successfully used on the Continent, is an improvement on the pole scaffold.

SUSPENDED SCAFFOLDS, CHIMNEY STACKS, STEEPLES, TOWERS, AND ALL SLUNG STAGING OUR SPECIALITY.

Lightning Conductors Examined and Refixed. Experienced Men in each Trade.

PATENT PORTABLE STEEL SCAFFOLD, on rubber tyres, double wheels at each corner, platform 9 ft. by 9 ft. Will reach any ceiling up to 60 ft. Should be seen before starting interior work.

Scaffolding and Tackle of all kinds on Hire.

PALMER'S TRAVELLING CRADLE AND SCAFFOLD CO., 250, Westminster Bridge Rd., S.E.

Telegrams: "Wireway, London." Telephone No.: 1156 Hop. EDWIN PALMER, Manager.

The Original English, Best and Cheapest Preventative of Dry Rot, Fungus, Decay, the attack of WHITE ANT and TEREDO in Timber.

"JODELITE" prevents damp walls and strengthens Ropes.

ONE GALLON covers from 25 to 50 square yards at a small cost.

. . .

WOOD PRESERVATIVE

"JODELITE."

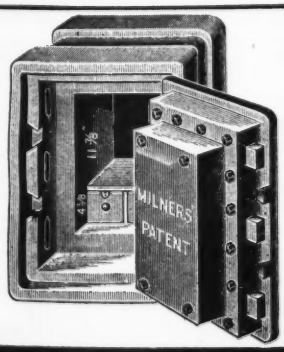
Regd.

Used by H.M. War, Admiralty and Board of Works Departments, and Indian Government, Dock and Harbour Boards, Railway Companies, Corporations, Colliery Proprietors, Contractors, Estate Owners, and Gold Mining Companies, and found to be an unfailing remedy for the purposes stated.

20 years' experience of the efficiency of "JODELITE" is bringing repeat orders and largely increasing business. You cannot afford to do without it.

Regd.

JOSEPH DEE & SONS, 5, Cross Street, MANCHESTER, England.



MILNERS' SAFES.

Largest Makers in the World.

SAFES, STRONG ROOMS, SAFE DEPOSITS, CASH, DEED AND DESPATCH BOXES, STEEL CABINET WORK, and all kinds of security work.

SEND FOR PARTICULARS TO

MILNERS' SAFE CO., LTD.,

28, FINSBURY PAVEMENT, LONDON, E.C.

Makers to British, Colonial & Foreign Governments.

PITCH - - AND ALL Tar Products.

WESTWOOD MACNEILL & CO.,
162B, BUCHANAN STREET,
GLASGOW.

Special Creosote Oil for Disinfectant-making. Tar for treating Roads. "Glasgow" Coal Tar and Pitch. Archangel and Stockholm Tar and Pitch. Bitumen, Manjak, Asphaltum. Special Acid-Resisting Composition. Bituminous Solution for Ironwork, &c.

CREOSOTE

Contractors to the British Government.

Telegrams: "VIGOROUS, GLASGOW."

PRICE'S PATENT CANDLE Co. LIMITED.

MANUFACTURERS OF

EXPORT STEARINE and PARAFFIN CANDLES,
NIGHT LIGHTS, GLYCERIN, LUBRICATING OILS,
HOUSEHOLD and TOILET SOAPS, &c.

GRAND PRIZES at PARIS, ANTWERP, AMSTERDAM, BRUSSELS, ST. LOUIS and LONDON, 1908.
TOTAL AWARDS 86 AT INTERNATIONAL and OTHER EXHIBITIONS.

BELMONT WORKS, BATTERSEA, LONDON, S.W.

SIMPLEX LEAD GLAZING

FOR ROOFS, SKYLIGHTS, & HORTICULTURAL WORK.

NO SPECIAL CONTRACT REQUIRED.

NO ZINC, IRON, OR PUTTY USED.

ANY QUANTITY SUPPLIED.

OVER 1,500,000 SUPERFICIAL FEET IN USE ON MORE THAN 3,000 STRUCTURES.

GROVER & CO., LIMITED,
Engineers, Millwrights, Iron Founders, &c.,
BRITANNIA WORKS, WHARF ROAD, CITY RD., LONDON, N.

Write for Illustrations, Testimonials, and full Particulars (sent post free).

SOLID TAPER SPLIT
MADE BY PINS
FREDK MOUNTFORD.
BIRMINGHAM. LTD
DEPT. 27.

BUTTERWORTH BROS.
LIMITED.
Needle Lubricators.
Drip Cups.
Machinery Glass.

GAUGE GLASSES.
(TENAX. For High Pressure)
(Also Enamelled Striped)

Newton Heath
Glass Works, MANCHESTER.

GALVANIZED WIRE NETTING.

Our improved looms enable us to manufacture Netting stronger and better than ordinary looms, which accounts for the popularity of our Brands. Our Netting is heavily galvanized after weaving, which ensures it a long life.

SHEEP NETTING.
RABBIT NETTING.
WARREN FENCING.
POULTRY NETTING.

Our stock of Wire Netting is continually fluctuating between one million and two million yards.

HIGHEST QUALITY. LOWEST PRICES. BEST DISCOUNTS

Write for our Price Lists and terms—

BOULTON & PAUL, Ltd., Manufacturers, Dept. Q 5. NORWICH.

JAMES MILLER, SON & CO.,

79, WEST NILE ST., GLASGOW.

Coal Tar Pitch, Refined Coal Tar, Benzoles, Solvent Naphtha, Benzine for cleaning, Burning Naphtha, Carbolic Acid, Cresylic Acid, Creosote Oil, Sulphate of Ammonia, Naphthaline, Anthracene, Pyridine, Paraffin Wax for Candle Making, Match-making, etc., Mineral Lubricating, and Special Gas-making Oils.

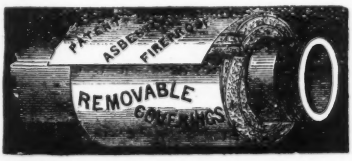
GENERAL DRYSALTERIES.—Albumens (Blood and Eggs), Dried Blood, Horn Meal, Farinas, Starches, Dextrines, Glues for Paper-makers.

COALS.—Cannel, Gas, and Steam. Telegraphic Address:—"DECIMAL, GLASGOW."

PATENT

ASBESTOS NON-CONDUCTING COVERINGS

Asbestos, Magnesia, Papier Maché, Plastic Coverings, dry, in Bags. Patent Sectional, Magnesia, Cork and other Coverings,



For Boilers, Steam Pipes, Refrigerator Pipes, &c. Asbestos Slates. Silicate Cotton, Asbestos Mattresses, Hairfelt, Millboard, &c. Catalogue and Estimates Free.

TOOPE'S ASBESTOS COVERING CO., Ltd.

Stepney Square, London,

Manufacturers to the Trade.

On Admiralty Lists, H.M. Office of Works, &c., &c.

AGENTS WANTED. ESTABLISHED 1877.

Exporters to all parts of the World.

Telegrams: "Toopes, London" *Telephone No.: 3497 E.*

"DOUBLE FLYCO"—The Newest High-Speed Steel.
"FLYCO" HIGH-SPEED STEEL.
"FLYCO" HIGH-SPEED TWIST DRILLS.
TOOL STEEL—For all purposes.
SHEAR BLADES—Of all Descriptions.
DIES AND PUNCHES—For all Purposes.
TIMMIS' PATENT SPRINGS (Sole Makers)
HELICAL, VOLUTE & CONICAL SPRINGS.

Turton Brothers & Matthews, Ld.
On Admiralty List.] ***SHEFFIELD.***
Wires, "MATTHEWS," SHEFFIELD. Phones, 1045 & 3880 Central.

FERTILIZERS, WEED-KILLERS, INSECTICIDES,

For FARM and GARDEN.

Manures compounded to Buyers' Specifications.

All Fertilizers of known value supplied in large or small quantities.

Write for Carriage Paid List of Garner's Specialities, post free, from Sole Manufacturers:

THE
BRITISH FERTILIZER CO.,
Fertilizer and Chemical Manufacturers,
BIRKENHEAD.

Board of Trade Journal.

DECEMBER 29, 1910.

CONTENTS.

PAGE

Openings for British Trade 601

British Dominions, &c.:—

British India.—Tenders for Miscellaneous Stores.

Canada.—Openings for Electric Power Plant; Telegraph and Telephone Material; Machinery for manufacture of Knitted and Woven Goods; Dry Dock Material and Plant; Shipbuilding, Ship Repairing, and Wrecking Plant.

Commercial Enquiries.

Australia.—Tenders for Telegraph Cable; Hydro-Electric Generator, Transmission Line, and Pumping Machinery; Electric Elevators.

Openings for Railway Material; Slaughterhouse Plant and Equipment.

New Zealand.—Tenders for Cast-Iron and Steel Pipes and Fittings; Centrifugal Pumps.

South Africa.—Tenders for Mechanical Tar-Spraying Machines; Cast-Iron Pipes.

Opening for Agricultural Requisites.

Malta.—Tenders for Lead for Jointing Cast-Iron Pipes; Hospital Iron Bedsteads.

Foreign Countries:—

Openings for Trade in Poland, Norway, Denmark, Netherlands, Netherlands East Indies, Switzerland, Spain, Italy, Austria-Hungary, Bulgaria, Turkey, Persia, Mexico, Panama, Brazil, Bolivia, and Argentina.

Exhibitions 615

Amsterdam. Le Mans. Chicago.

British Trade with Australasia: Visit to the United Kingdom of H.M. Trade Commissioners 616

Handbook of the Commercial Intelligence Branch of the Board of Trade... ... 617

British Trade Abroad (New Zealand, Egypt, Lingah, Panama) 617

Sugar Production of Europe 619

Foreign Trade of Burma in 1909-10 619

Traffic of United States Goods across Panama and Tehuantepec Railways ... 620

Berne Convention for Prohibiting Matches of White or Yellow Phosphorus: List of Colonies which have adhered 621

Proposed Tariff Changes 622

Sierra Leone. France. Spain.

Tariff Changes and Customs Regulations 623

United Kingdom—United States of America. Australia. New Zealand. Uganda Protectorate. Norway. Belgium. France. Spain. United States of America.

Shipping and Transport 629

Swedish Railways to be Opened to Traffic in 1911 and 1912. Spanish Postal Packet Service in the Gulf of Guinea.

Minerals, Metals, and Machinery 629

Mineral Production of Western Australia. Agricultural Machinery and Implements in Natal. Industrial Establishments of Natal. Naphtha Deposits in South-East Russia. Gold Discovery in Germany. German Steel Market. Mining Industry of Tonkin. Gold Discovery in Liaotung Peninsula.

Yarns and Textiles 632

Cotton Spinning and Weaving Returns of British India.

Agricultural and Forest Products 633

Production of Honey in South Australia. Cotton Growing in Uganda. Regulation of Cotton Growing and of Importation and Exportation of Cotton and Cotton Seed in Northern Nigeria. Final Crop Returns of Finland. Rice, Hemp, and Flax Crops in Italy. Mexican Coffee Crop. Establishment of Banana Growing in Colombia for Export. Exports of Rubber from the Amazon Basin in October, 1910.

Miscellaneous 636

Trade of Bengal with Nepal, Tibet, &c. Whaling and Whale Oil Industry in South Africa. Cement Industry of Germany. Bill containing Amendments to the Law on the Compulsory Working of Patents in Germany. Hosiery and Glove Trade in Saxony. Cod Imports at Bordeaux. Formosan Sugar in the Japanese Market; Probable entry into Chinese and Corean Markets. Crab Tinning Industry in Japan.

Statistical Tables 640

Cotton Returns. Corn Prices.

Government Publications... 641

Board of Trade Returns and Labour Gazette. Notes of sundry Government Publications issued during the week. List of Foreign Office and Colonial Office Reports issued since the beginning of the year.

Confidential Information as to Openings Abroad for British Trade, &c. 647

Commercial Intelligence Branch of the Board of Trade... 647

Trade Enquiry Offices of the Self-Governing Dominions 648

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Absorbent Blottings—
Tullis, Russell & Co., Markinch, Fife.

Acid Jars—
Kennedy, H., & Sons, Barrowfield Potteries, Glasgow.

Accumulators—
Vandervell, C. A., & Co., Warple Way, Acton Vale, W.

Advertising Agents and Contractors—
Laughton & Co., 3, Wellington Street, Strand, London, W.C.

Advertising Balloons—
Advertising Balloon Co., Broadheath Rubber Works, Altrincham, England.

Alkali Manufacturers—
Brunner, Mond & Co., Northwich, Cheshire.
United Alkali Co., Ltd., Liverpool.

Alloys—
Delta Metal Co., Ltd., London.

Aluminium Founders and Workers—
Coan, Robert W., 219, Goswell Road, London, E.C.

Aluminium Ware—
Harvey, G. A., & Co., Lewisham, London, S.E.

Ammonia, Anhydrous, and Liquid—
Brotherton & Co., Leeds (Carbonate of Ammonia, Muriate of Ammonia, &c.).

Ammunition Manufacturers—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Anglo-Dutch Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Anti-Corrosive Composition—
Davison, H., & Sons, Carpenters Row, Wapping, Liverpool.

Anti-friction Metal—
Delta Metal Co., Ltd., London, E.C.

Anti-Incrustation Boiler Compositions—
Harris, James, 63, Queen Victoria Street, London, E.C. (Block and Fluid. Established 1866.)

Antimony Paint—
Parker & Lester, London, S.E.

Artograph Films—
Artograph Co., 8, New Compton Street, Charing Cross Road, London, W.C.

Asbestos Mattresses—
Toope's Asbestos Covering Co., Ltd., Stepney Square, London, E.

Asbestos Steam Packings—
Toope's Asbestos Covering Co., Ltd., Stepney Square, London, E.

Asphalte—
The Seyssel and Metallic Lava Asphalte Co., 42, Poultry, London, E.C.

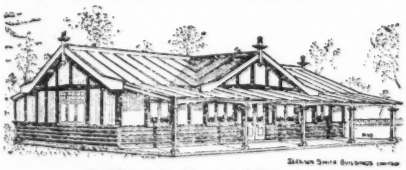
Bacon Curers—
Harris, Chas. & Thos., & Co., Ltd., Calne, Wilts.

Bags and Sacks—
Paiva, J. de, & Co., 11, Drury Lane, Liverpool.

Balloons—
Advertising Balloon Co., Altrincham, England.

Barium—
Hedworth Barium Co., Ltd., Newcastle-on-Tyne.

HARRISON SMITH BUILDINGS LTD



Buildings for Home and Export.
Bungalows, Pavilions, Stores, Go-Downs, Heat-Resisting Buildings, Iron Buildings.
Catalogue and Estimate Free.

HEAD OFFICE: **Vauxhall Works, Birmingham**
LONDON OFFICE:—*7, Mark Lane.*

MOTOR FITMENTS

Dynamo Car-Lighting Outfits. Electric Head, Side and Tail Lamps. Accumulators. . . . Magnetos. Coils. Electrical Accessories, etc., etc.

C. A. VANDERVELL & CO.,
Manufacturing Electrical Engineers and Motor Ignition Specialists.
ACTON VALE, LONDON, W.

FIRE PREVENTION.

KYL-FYRE

THE FIRE EXTINGUISHER.

HAS PROVED TO BE THE
BEST APPLIANCE ON THE MARKET FOR DEALING WITH ALL OUTBREAKS OF FIRE.
It has been adopted by all the Largest CORPORATIONS, SHIPPING COMPANIES, RAILWAY COMPANIES, &c.
THE ONLY EXTINGUISHER FOR ELECTRICAL OUTBREAKS.
Price 5/- Each. {(Guaranteed to remain Effective for a number of years.) Polished Brass or Nickel Plated.} Price 10/6 Each.
FOR FULL PARTICULARS APPLY—
KYL-FYRE, Ltd., Eastbourne, 7, Mark Lane, London, E.C., or 92, Market St., Manchester.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Bedsteads, Cots, &c., Manufacturers—
Hoyland, John, Ltd., Spring Hill, Birmingham.

Bevelled and Bent Glass—
Stevens, James, & Son, Victoria Glass Works, Dartmouth Street, Birmingham.

Billiard Cloths—
Mitchell, Inman & Co., 39 and 40, Cloth Fair, London, E.C.

Billiard and Bagatelle Tables—
Edwards, George, Kingsland Billiard Works, Kingsland Road, London, N.E.

Binoxide of Barium—
Hedworth Barium Co., Ltd., Newcastle.

Bird Seeds and Foods—
Hyde, R., & Co., Ltd., London, S.E.

Bitumen and Bituminous Solution—
Westwood Macneill & Co., Government Contractors, 162, Buchanan Street, Glasgow.

Blacking (Nubian)—Black and Brown—
The Nubian Manufacturing Co., Lorriemore Street, S.E.

Blankets (Cotton)—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Blast Furnace Plant—
The Tees Side Bridge & Engineering Works, Ltd., Cargo Fleet, Middlesbrough.

Blasting Gelatine and Gelignite—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 194, West George Street, Glasgow.

Bleaching Powder—
Brunner, Mond & Co., Northwich, Cheshire.
United Alkali Co., Ltd., Liverpool.

Boats (Seamless Steel Life Boats and Motor Boats)—
Seamless Steel Boat Co., Ltd., Wakefield.

Boiler Non-Conducting Coverings—
Kenyon, Wm., & Sons, Ltd., Chapel Field Works, Dukinfield, near Manchester.
Toope's Asbestos Covering Co., Ltd., Stepney Square, London, E.

Bolts, Nuts and Screws—
Guest, Keen & Nettlefolds, Ltd., Birmingham.

Boot Polish, "Balmoral Glass," "Nubian Ojo Pasta"—
The Nubian Manufacturing Co., Lorrimore Street, London, S.E.

Borax and Boracic Acid—
Borax Consolidated Ltd., 16, Eastcheap, London, E.C.

Brassfounders—
Delta Metal Co., Ltd., London, E.C.

ADVERTISING CALENDARS FOR 1912.

Printers and Wholesale Stationers in the Colonies should send at once, giving Shippers' Address, for samples of our

NEW 1912 DESIGNS. NOW READY!

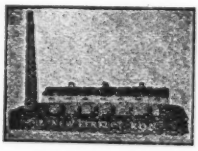
ARTISTIC! NOVEL! CHEAP!

Also Xmas Cards, Pictures, &c.

A. VIVIAN MANSELL & CO.,
22, Silk Street, and 2, Chapel Street, LONDON, E.C.

AGENTS WANTED IN ALL THE COLONIES.

KILNS



Of all kinds and for all purposes. Up-to-Date, Economical and Efficient.

J. OSMAN & CO., Ltd.,
3, Arundel St., Strand, LONDON, W.C.

BILLIARD AND BAGATELLE TABLES.

Established 1852.

Telephone 4780 Central.

FULL SIZE TABLES FROM £35 EACH COMPLETE.

GEORGE EDWARDS, Kingsland Billiard Works,
KINGSLAND ROAD, LONDON, N.E.

Illustrated Catalogues and Monthly List of Second-Hand Tables post free.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Brick Kiln Builders (See Advt.)—
Osman, J., & Co., Ltd. (and Patentees), 3, Arundel Street. London, W.C. T. N. Central 2042. T. A. "Dampening."

Briquettes (*See Patent Fuel*)—
The Crown Preserved Coal Co., Ltd., Cardiff.

Bronze Manufacturers—
Delta Metal Co., Ltd., London, E.C.

Button Manufacturers—
Smith & Wright, Ltd., Birmingham.

Cables and Wires—
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C.
Hooper's Telegraph and India-rubber Works, Ltd., London, E.C.

Calculators (Brunsviga Multiplying and Dividing Machines for all Calculations)—
Grimme, Natalis & Co. (British Agency, W. H. Colt), 75B. Queen Victoria Street, London.

Calendars (Advertising) and Pictures—
A. Vivian Mansell & Co., 21/2, Chapel Street, Milton Street, London, E.C.

Camera and Shutter Manufacturers—
Thornton-Pickard Manufacturing Co., Ltd., Altrincham, England. Telegraphic Address: "Pickard, Altrincham." Telephone Number: 69 Altrincham.

Candle Manufacturers—
Ogston & Tennant, Ltd., Glasgow, Aberdeen and London.
Price's Patent Candle Co., Ltd., Battersea Works, Battersea, London, S.W.
Thomas, Christopher, & Bros., Ltd., Broad Plain Candle Works, Bristol.

Carbolic Acid—
Miller, James, Son, & Co., Glasgow.

Carpet Machinery—
Hutchinson, Hollingworth & Co., Ltd., Dobcross Loom Works, Dobcross, S.O., Yorks. Telegraphic Address: Foundry, Dobcross. Railway Station: Saddleworth, L. & N. W.

Cart Gear, "Tiger Brand"—
Jones, Thomas P., & Co., Old Hill, Staffs, England.

Cartridge Manufacturers—
Abbey Improved Chilled Shot Company, Ltd., Newcastle-on-Tyne (Abbeyrite Brand).
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.
Nobel's Explosives Co., Ltd., Glasgow.

Ce ico (Regd.) Distemper Manufacturers—
Brockwell, W., & Sons, 175, Bermondsey Street, London, S.E.

Cement Making Plants—
Edgar Allen Co., Ltd., Imperial Steel Works Tinsley, Sheffield.

Cement Manufacturers—
The Wouldham Cement Co., Ltd., 35, Great St. Helens, E.C.
West Kent Portland Cement Co., Burham, near Rochester.

Charcoal, Wood, Flake, Block, and Powdered—
Wilson Bros. Bobbin Co., Ltd., Cornholme Works Garston, Liverpool.

Chemical Manufacturers—
Acme Chemical Co., Tonbridge.
Anglo-Continental (late Ohlendorff's) Guano Works, Dock House, Billiter Street, E.C.

Telegrams, 'Enriching,' London.
Telephone, No 1846, Avenue.
THE WOULDHAM CEMENT Co. Ld.
RED-CROSS BRAND
highest quality. London
PORTLAND CEMENT.
quick medium or slow setting.
LION WORKS, GRAYS. ESTABLISHED 1855.
OUTPUT, 3,000 TONS WEEKLY.
35, GREAT ST HELENS, E.C.

USE AS ORDINARY FRENCH POLISH.
Less Labour Needed.
Less Material Required.
Less Time Expended
FLACK'S ANGLO-YANKEE SHINE.
ANGLO-YANKEE ENAMEL (OR BRUSH POLISH).
"PETROS" (Spanish Stone) WOOD FILLER, in Powder.
Anglo-Yankee Wood Filler.
HENRY FLACK,
MANUFACTURER OF
French Polishes, Lacquers, Varnishes, and Wood Stains of every description.
PRICE LISTS SAMPLES ON APPLICATION.
264, Borough, London, S.E.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Chemical Manufacturers (*continued*) –
Blythe, Wm., & Co., Ltd., Church, Lancs.
Brunner, Mond & Co., Ltd., Northwich, Cheshire.
Hedworth Barium Co., Ltd., Newcastle.
Holliday (Read) & Sons, Ltd., Huddersfield.
Miller, Jas., Son & Co., Glasgow.
The Crown Chemical Works, Ltd., 63, Crutched Friars, E.C., and Marshgate Lane, Stratford.
The Grove Chemical Co., Ltd., Crown Works, Appley Bridge, near Wigan.
The Yorkshire Dyeware and Chemical Co., Ltd., 14, Park Square, Leeds, England.
United Alkali Co., Ltd., Liverpool.

Chemical Manure Manufacturers—
Acme Chemical Co., Tonbridge.
Anglo-Continental (late Ohlendorff's) Guano Works, Dock House, Billiter Street, E.C.
United Alkali Co., Ltd., Liverpool.

Chemists (Manufacturing)—
Acme Chemical Co., Tonbridge.

Chilled Shot—
Abbey Improved Chilled Shot Company, Ltd., Newcastle-on-Tyne.

China Clay—
Best, James, & Sons, Stoke-on-Trent. Finest China Clays for Export. Shipping Port: Fowey, Cornwall. Works: Bloomdale, North Goonbarrow, Great Halviggan, Old Beam, Goonamarth, &c.
Lovering, John, & Co., St. Austell.
The West of England China Stone and Clay Company (Limited), St. Austell, Cornwall. Largest Producers of China Clay for Pottery, Papermaking, Coating, Bleaching and Sizing purposes. China Stone and Ground China Stone of the finest qualities. Telegrams: Stocker, St. Austell. Nat. Tel.: No. 21.

China, Earthenware, Art Pottery, &c —
Dinner, Tea, and Toilet Ware, Vases, Art Flower Pots, Teapots, &c. Specially adapted for Foreign and Colonial Markets. Price List on application to Royal Victoria Pottery, Shelton, Staffordshire, England.

China Manufacturers—
Wildblood, Heath & Sons, Peel Works, Stafford Street, Longton, England. (Makers of Tea and Breakfast Services, Queen's White, and Hotel China.)

Chronometers –
Dent, M. F., & Co. (to the Queen), 33 and 34, Cockspur Street, London.

Clocks and Watches –
Dent, M. F., & Co. (to the Queen), 33 and 34, Cockspur Street, London.

Clocks (Turret and House)—
Joyce, J. B., & Co., Whitchurch, Shropshire.

Cloth Manufacturers—
Hollins, Wm., & Co., Ltd., Pleasley Works, Mansfield, Notts (Spinners of Hosiery Yarns and Manufacturers of "Viyella" Cloth). T.A. "Pleasley, Nottingham."

Clothing Manufacturers (Army, Police and Railway)–
Compton, J., & Sons, Tower Hill, London. Contractors to War Office, Metropolitan Police and Principal Railways. Factories: London, Crewe, Swindon.
Hammond, John, & Co., Ltd., Newcastle, Staffs.

Cloths for Machinery—
Kenyon, James, & Son, Ltd., Bury.

Coal—
Wright & Co., Newcastle-on-Tyne. Shippers of all classes of Northumberland, Durham and Yorkshire Steam and Gas Coals. Telegrams: "Broking," Newcastle-on-Tyne.

Coal and Coke—
Cory Bros., & Co., Ltd., Cardiff.
The Pemberton Colliery Co., Ltd., 7, Rumford Street, Liverpool. House, Gas, Steam and Bunker Coal, Smelting and Foundry Coke for Shipment. Telegrams—"Bee," Liverpool. Telephone—1016 Liverpool Central.
Tredegar Iron & Coal Co., Ltd., 60, Fenchurch Street, London, E.C., and Exchange, Cardiff. Welsh Steam Coals for Marine and Locomotive purposes. Telegrams "Glyncannon, London." Telephone, London Wall 2312
Wharncliffe Woodmoor Colliery Co., Ltd., Barnsley.
Wigan Coal and Iron Co., Ltd., Wigan.

Coal Depot Proprietors—
Cory Bros., & Co., Cardiff.
Miller, James, Son, & Co., Glasgow.

Coal Tar—
Lord, J. E. C., Borough Road, Weaste, Manchester.
Miller, James, Son, & Co., Glasgow.
Westwood Macneill & Co., Government Contractors, 162, Buchanan Street, Glasgow.

Coatings (Cotton)—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Cocoa –
The Indian Planters' Combination, 5, Fenchurch Street, London, E.C.

Coffee—
The Indian Planters' Combination, 5, Fenchurch Street, London, E.C.

CARTER & CO., LTD.,
POOLE, DORSET.
Telegrams: "TILES, POOLE."
London Office: 29, ALBERT EMBANKMENT, S.E.
MANUFACTURERS OF
Floor, Wall, and Hearth Tiles, Keramic Mosaic, Terra Cotta and Constructional Faience, Fireplaces, etc. . . . .
Manchester Office: CORN EXCHANGE BUILDINGS.
DESIGNS FURNISHED FOR PUBLIC BUILDINGS.
Illustrated Catalogue Free on Application.
Architects' suggestions embodied in Special Designs.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Coffee (Red, White and Blue)—
S. Hanson & Son, Eastcheap, London, E.C.

Colliery Owners—
Cory Bros. & Co., Cardiff.
The Wigan Coal and Iron Co., Wigan.
Wharncliffe Woodmoor Colliery Co., Ltd., Barnsley.

Concertinas (English)—
Lachenal & Co., Little James Street, W.C.

Concrete Mixers—
Builders and Contractors Plant, Ltd., 17, Victoria Street, London, S.W. Works, Wolff Engineering Co., Southwark. Telegrams: "Mixoist" London.

Confectioners' Colours, Essences, &c.—
Confectioners' Vegetable Colours and Fruit Essences Co., Ltd., Hackney Wick, N.E.

Copper Tape, Wire Rope, &c.—
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C.

Corduroy—
Johnson, James, 2A, China Lane, Manchester.

Cork Insulation—
Toope's Asbestos Covering Co., Ltd., Stepney Square, London, E.

Cotton Bags—
Feltham, W. H., & Son, Imperial Works, Tower Bridge Road, London.
Judge, T. & W., London, S.E.

Cotton Cleaning Waste—
Spencer & Curedale, Ltd., Bury Ground Works, Bury.

Cotton Goods—
Anderson, D. & J., Bridgeton, Glasgow.
Jones Bros., Ltd., 12, York Street, Manchester. Telegraphic Address—"Jonbro."
Kenyon, James & Son, Ltd., Bury.
Spinner, E., & Co., Manchester.

Cotton, Linen, and Woollen Cloths for Mechanical purposes—
Porritt, Joseph, and Sons, Helmshore, near Manchester. Telephone No. 4. Telegraphic Address, Porritt, Helmshore.

Cranes—
Waygood, R., & Co., Ltd., Falmouth Rd., London, S.E.

Creosote—
Lord, J. E. C., Borough Road, Weaste, Manchester.
Messrs. Robinson Bros., Ltd., West Bromwich.
United Alkali Co., Ltd., 30, James Street, Liverpool.
Westwood Macneill & Co., Government Contractors, 162, Buchanan Street, Glasgow.

Creosoting Plant—
Black, George, & Sons, Tweedmouth Boiler Works, Berwick-on-Tweed.

Curled Hair—
Boyd, John, & Co., Ltd., Castle Cary, Somerset.

Decklights and Porthole Glasses—
Stevens, James & Son, Victoria Glass Works, Birmingham.

Decorative Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Delta Metal Manufacturers—
Delta Metal Co., Ltd., London, E.C.

Detonators—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Diamond Grit Manufacturers (for Sawing and Rubbing Granite, Freestone, Marble, &c.)—
Harrison Bros. (Diamond Grit, Round and Cornered, Shot, Globules, or Iron Sand, Pneumatic Tools, Stone Working Machinery, Cranes, Jacks, &c., also supplies of all kinds), Atlas Foundry, Middlesbrough, England. T.N. 391. T.A. "Diamond."

Disinfectants—
United Alkali Co., Ltd., Liverpool.

Distillers—
Crawford, Daniel, & Son, Ltd., Glasgow.
Dailuaine-Talisker Distilleries, Ltd., Carron, Strathspey.
Distillers Co., Ltd., The, Edinburgh.
Thorne, R., & Sons, Ltd., Pure Malt Distillers and Blenders, Greenock and London; Distilleries, Aberlour-Glenlivet, Strathspey; and Greenock, N.B.

Docks (Floating), Caissons &c.—
Lancashire & Yorkshire Railway Co., Wyre Dock, Fleetwood.

Drawing Instrument Makers—
Stanley, W. F., & Co., Ltd., Great Turnstile, Holborn, London, W.C.

Dredgers & Excavators—
Rose, Downs & Thompson, Ltd., Old Foundry, Hull, and 12, Mark Lane, London, E.C. Sole makers of the "Kingston" double-chain Grab Dredger and Excavator.

Drills and Longcloths—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Drop Forgings—
Brett's Stamping Co., Ltd., Harnall Lane, Coventry.

Dry Soap—
United Alkali Co., Ltd., Liverpool.

Dyers and Tanners Extract Manufacturers—
The Yorkshire Dyeware and Chemical Co., Ltd., 14, Park Square, Leeds, England.

Dynamite—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.
Nobel's Explosive Co., Ltd, Nobel House, 195, West George Street, Glasgow.

ROBERT BIRD & CO.,
Crewkerne, Somerset, ENGLAND.
Awarded Prize Medals—
London, 1851. Calcutta, 1883-4. London, 1883. Adelaide, 1887. Barcelona, 1888. Melbourne, 1889.
***Manufacturers of*—Cotton, Linen, Woollen, Union, Flax and Jute Webs of every description for the SADDLERY TRADE. Also Ready-made Horse Clothing, Horse Rollers, and Horse Girths, &c. Also of Chair Webs, Tray Webs, and Cocoa Binding Webs of every description for the UPHOLSTERY TRADE.**
STRAINING WEBS. N.B.—Sole Makers of Bird's Superfine Flax and other Straining Webs.
Ready-made Goods for the Saddlery Trade.
N.B.—We beg to call your attention to our Ready-made Goods. The Leather used will be found good and of a Pure Oak Bark Tannage, and the Workmanship throughout will compare favourably with any in the Market.
Upholstery (or Upholsterers' Webs),
Elevator Webs and Machine Belting.

The world-renowned
PALATINE
Rubber Heels & Tips.
Largest Manufacturers of Rubber Heels in England.
We can supply any design, shape, or quality from 1/3 to 12/- per dozen pairs.
SEND FOR SAMPLES AND PRICE LIST.
The PALATINE HEEL BRANCH
of the Leyland & Birmingham Rubber Co., Ltd.,
PRESTON, ENGLAND.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Dynamos for Plating, &c.—
Canning, W., & Co., Great Hampton Street, Birmingham.

Earthenware, Dinner, Tea and Toilet Ware—
Ford, Samuel, & Co., Lincoln Pottery, Burslem, Staffs; also Glazed Tiles for Walls, Hearths, &c., in Majolica, Coloured Printed and Plain Printed.
The Soho Pottery, Ltd. (late Henry Alcock & Co. Works), Cobridge. Note.—Removed from Tunstall.

Electrical Accessories—
Jackson, H. A., & Co., Caxton Works, Salford, Manchester. Telegrams: "Armoured," Manchester. Telephone: 5437 Central.

Electric Driving Lamps—
Vandervell, C. A., & Co., Warple Way, Acton Vale, W.

Electrical and General Engineers—
Jackson, T. & J., 14, Park Road, N.W.

Electrical & Mechanical Engineers & Contractors—
Henley's, W. T., Telegraph Works Co., Ltd., Blomfield Street, London, E.C.
Hooper's Telegraph and India-rubber Works, Ltd., 31, Lombard Street, London, E.C.

Electrical Porcelains—
James Macintyre & Co., Ltd., Washington China Works, Burslem.

Electric Fuses—
Curtis's & Harvey, Ltd, 3, Gracechurch Street, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Electric Wire Casings—
Vigers Bros., Timber Merchants, 67, King William Street, E.C. Telegraphic Address—Vigentes, London. Telephone—601 and 602, Avenue; 311 Central.

Electro Plating Machinery and Materials—
Canning, W., & Co., Great Hampton Street, Birmingham.

Enamels for Metals—
Keeling & Walker, Sutherland Mills, Stoke-on-Trent, specialise in Leadless Enamels for Cast-iron, and also supply all Raw Materials for Enamellers.

Encaustic Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Engineers—
Haslam Union Foundry, 175/177, Salisbury House, London Wall, E.C.

Engineers, Constructional—
Forster & Sons, Ltd., St. Helens, England.
Humphreys, Ltd., Knightsbridge, London, S.W.

Engineers' Ironfounders—
Wigan Coal and Iron Co., Ltd., Wigan.

Engineers and Millwrights—*General*—
Aveling & Porter, Rochester (Locomotives, Road Rollers, &c.).
Baird, W., & Co., Glasgow (Pig Iron, Coal, Coke, &c.).
Burrell, C., & Sons, Ltd., Thetford (Locomotives, Steam Rollers, Traction Engines).
Grover & Co., Ltd., London, N.

Save time and worry by using

CHISHOLM'S

RAPID FILING SYSTEMS,

HIGH GRADE **LTD.,**

CARD INDEX & VERTICAL FILING CABINETS.

30 % less than most other houses. Our Filing Systems are used by all large Business Houses throughout the Country.

Write for fully Illustrated Lists to

CHISHOLM, 24, 25 & 26, Mitre Street, Fenchurch Street, E.C.

Telephone 4379 London Wall.

THE "NON-SLIP" SAFETY RULE (Made of STEEL).

PATENTED.

FOR PENCIL, PEN, OR KNIFE.

It has a graduated edge for Pencil use, and a plain edge for Knife or Pen.
Its cheapness, cleanness, durability, and all-round handiness make it the most suitable Rule for cardboard modelling, and all general purposes.

Prices, per dozen—
Nickelled - - - - - 6/6
Black Enamelled, White Markings 6/6
Polished - - - - - 4/6
Trade terms on application.
Samples, post free (U. K.), 8d. and 6d. respectively.

THE TITAN BINDER CO., 31 Queen Victoria Street, LONDON, E.C.
Telephone 15207 Central.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Engineers and Millwrights—*General—continued*
Palatine Engineering Co., Liverpool.
Saxby & Farmer, Head Offices, 53, Victoria Street, Westminster, S.W., and Works, Chippenham, Wilts.

Essence Manufacturers—
Confectioners' Vegetable Colours and Fruit Essences Co., Ltd., The, London, N.E.
Idris & Co., Ltd., London, N.W.

"Eternit" Tiles for Roofing, Sheets for Walls and Ceilings—
Speaker, G. R., & Co., 28, Mark Lane, London.

Exhibition Contractors (Home and Abroad)—
Humphreys, Ltd., Knightsbridge, London, S.W.

Explosives—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

"Faience"—
Boote, T. & R., Ltd., Waterloo Potteries and the Patent Tile Works, Burslem.

Falk's Table Salt—
The Salt Union, Ltd., Liverpool.

Fancywood Merchants—
Gardner, Joseph, & Sons, Bootle, Liverpool.

Felts (Paper Makers' Machine)—
Kenyon, James, & Son, Ltd., Bury.

Felts for Paper Makers—
Porritt, Joseph, and Sons, Helmshore, near Manchester. Telephone No. 4. Telegraphic Address, Porritt, Helmshore.

Felts for Paper-makers, Pianos, Laundries, Printers, &c.
Whitehead, R. R., & Brothers, Ltd., 10 and 12, Endell Street, Long Acre, W.C. Telephone No.: 9116 Central. Telegraphic Address: "Wandfelt," London.

Felts for Various Purposes—
McNeill, F., & Co., Ltd., Actual Manufacturers of the well-known "Lion Brand" Felts for Roofing, Sound-deadening, Boiler Covering, &c. Contractors to British and Foreign Governments and all principal Railways of the Empire. Bunhill Row, London, E.C. Established 1833.

Fencing (Iron and Wood)—
Palmer, T. W., & Co., Merton Abbey Ironworks, London, England.

Field Glasses and Telescopes—
Ross' Optical Works, 3, North Side, Clapham Common, S.W.

Files, Filing Systems and all Modern Office Equipment—
Chisholm's Rapid Filing Systems, Ltd., 24–26, Mitre Street, Fenchurch Street, London, E.C.

Fire Bricks—
Westwood Macneill & Co., Government Contractors, 162, Buchanan Street, Glasgow.

Fire Extinguishers—
Kyl-Fyre, Ltd., 12, Elms Buildings, Eastbourne.

Fireplaces, Enamelled in Colours and in Brick Red—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Flannel Manufacturers—
Kelsall & Kemp, Ltd., Rochdale.

Flint—
Keeling & Walker, Sutherland Mills, Stoke-on-Trent, produce the Finest quality of Ground Flint Stone and Felspar.

Office Furniture

Maple & Co. are specialists in the fitting and furnishing of Offices and Board Rooms. Free consultation with expert representatives, or estimates and suggestions submitted

THE LARGEST FURNISHING HOUSE IN THE WORLD

MAPLE & CO

LIMITED

LONDON BUENOS AIRES PARIS

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Foundry—
Haslam Union Foundry, 175/177, Salisbury House, London Wall, E.C.

Fountain Pens—
Jewel Pen Co., 102, Fenchurch Street, London, E.C.

French Chalk—
Blackwell, Geo. G., Sons & Co., Ltd., The Albany, Liverpool.

Fruit Essence Manufacturers—
Confectioners' Vegetable Colours & Fruit Essences Co., Ltd., London, N.E.

Fuse (Safety)—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.

Fustian (Piece Goods)—
Johnson, James, 2a, China Lane, Manchester.

Gas Coal—
Kent's Wharncliffe Woodmoor Colliery Co., Ltd., Barnsley.

Gas Engines—
The Haslam Foundry & Engineering Co., Ltd., Pontifex & Wood, London, Union Foundry, Derby.

Gas Engine Makers—
The Haslam Foundry and Engineering Co., Ltd., Pontifex & Wood, London, Union Foundry, Derby.

Gauge Glasses—
Butterworth Bros., Newton Heath, Manchester.
Guilbert-Martin (Beacon and Titan), 9, Edmund Place, London, E.C.
Tomey & Sons, Perth.
Tomey, Joseph, & Sons, Messrs., Ltd. Manor Glass Works, Aston, Birmingham

Gauge Glass Protectors—
Tomey, Joseph, & Sons, Messrs., Ltd., Manor Glass Works, Aston, Birmingham.

Gelatine-Dynamite—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

General Engineers and Gear Cutters—
Wiseman, Alfred, Ltd., Glover Street, Birmingham.

Gin Distillers—
Distillers Co., Ltd., The, 12, Torpichen Street, Edinburgh.

Glass Engineers (Consulting and Constructional)—
Messrs Brearley & Son, 55, Cross Street, City, Manchester.

Glass Manufacturers—
Stevens, James, & Son, Dartmouth Street, Birmingham.

Glass Plant Manufacturers—
Forster & Sons, Ltd., St. Helens, England.

Glass Works—
Stevens, James, & Son, Dartmouth Street, Birmingham.

Glazed Bricks—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Glazes and Colours—
Keeling & Walker, Sutherland Mills, Stoke-on-Trent, supply the most brilliant and durable Glazes for all purposes. Specialists in Leadless Glazes.

Glue Manufacturers—
Massey, C., & Son, Ltd. (Home and Export Qualities) Waterloo Works, Newcastle, Staffs. T.N. 11. T.A. "Waterloo." London Office, 5, Milk Street, E.C.

ROAD TARRING
and Spraying Machines, Tar Boilers, &c.
PHŒNIX Eng. Co., Ltd., CHARD, Eng.

ARMSTRONG & CO.,
Twickenham, LONDON.

To H.M. Government.
Crown Agents for Colonies, &c., &c.
Largest makers of Portable Electric Safety Hand Lamps, fitted with Accumulators: numerous types and sizes. Specially suitable for use in Gunpowder Mills, Gas, Electricity, and Chemical Works, Ships, Ship-yards, Dock-yards, Mines, Factories, Distilleries, &c., &c. Accumulators of every description. For all purposes. Catalogues free.

INKS
Writing and Copying.

Endorsing Inks, Ink Powders and Gums.
Send for Catalogue.
E. J. HOLLIDGE, Ltd.,
Rutland Road, South Hackney,
LONDON, N.E.

W. I. RICHARDSON,
Printer and Stationer,
Great Queen Street,
KINGSWAY, LONDON.
CATALOGUES printed in ENGLISH, FRENCH and GERMAN.
Maker of the celebrated "WHAT'S WANTED" Pen.

Telephone No. 2675 Gerrard.
Printing
RAPIDLY EXECUTED IN GOOD STYLE AT MODERATE PRICES

By **LOVE & MALCOMSON, Ltd.,**
DANE STREET, HOLBORN, LONDON, W.C.,
Who will be pleased to furnish inclusive estimates for the production and supply of Newspapers, Magazines, and all Periodical Literature, Illustrated Catalogues and Price Lists, High-class Bookwork, Pamphlets, Reports, Company Prospectuses, Law Work, Circulars, Account Books, Stationery, and every description of General Printing, Lithography, and Bookbinding, Engravings, Process Blocks, and Electros.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Glue, Size and Distemper Manufacturers—
Brockwell, W., & Sons, 175, Bermondsey Street, London, S.E.

Glycerine—
Price's Patent Candle Co., Ltd., London, S.W.

Golf Balls—
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C. ("Melfort" and "Henley.")

Golf Clubs and Balls—
Cann & Taylor, Richmond, Surrey.

Graphite and Graphite Products—Graphite Paint—
Chapman, Leonard, & Co., Ltd., Munton Road, London, S.E. Telephone, Hop. 3391. Telegram, "Gritless, London." Flake and Amorphous Graphites from 99 % purity downwards.

Greases—
How, Frank, & Co., Trogon Wharf, Stratford, London, E. "Trogon" Brand.

Guano Manufacturers—
Anglo-Continental (late Ohlendorff's) Guano Works, Dock House, Billiter Street, E.C.

Gummed Paper Makers—
Jones, Samuel, & Co., 7, Bridewell Place, London, E.C. (Patent Non-Curling Gummed Paper).

Gunpowder—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.

Hardwood Merchants—
Gardner, Joseph, & Sons, Bootle, Liverpool.

Hearth Tilings (Enamelled Iron)—
Wildman & Meguyer, Ltd., Parade, Birmingham.

Heating Apparatus (Hot Water and Steam)—
Hill, Lewis, Chatham Place, Edge Hill, Liverpool.

Hops (packed in any weight package to suit Buyers' requirements)—
Le May, W. H. & H., 67, Borough High Street, London, S.E.

Horsehair Cloths and Drafts—
Boyd, John, & Co., Ltd., Castle Cary, Somerset.

Horticultural Builders—
Riley, G. W., Herne Hill, London, S.E.

Hydraulic Machinery—
Middleton, Robert, Sheepscar Foundry, Leeds.

Ice Machine Manufacturers—
Haslam Union Foundry, 175/177, Salisbury House, London Wall, E.C.

Incandescent Gas Mantles—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.

Incandescent Lamps—
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C.

India-rubber Manufacturers—
Harris, Joseph, Altrincham (Advertising Balloons, Squeakers, and Rubber Surgical Appliances).
North British Rubber Co., Ltd., Edinburgh.

Inks (Writing and Copying)—
Hollidge, E. J., Ltd., Rutland Road, South Hackney, London, N.E.

Insecticide (Manurial Base)—
Robinson Bros., Ltd., West Bromwich.

Insulated Cables
Henley, W. T., Telegraph Works Co., Ltd., London Wall.
Hooper's Telegraph & Indiarubber Works, Ltd., London, E.C.

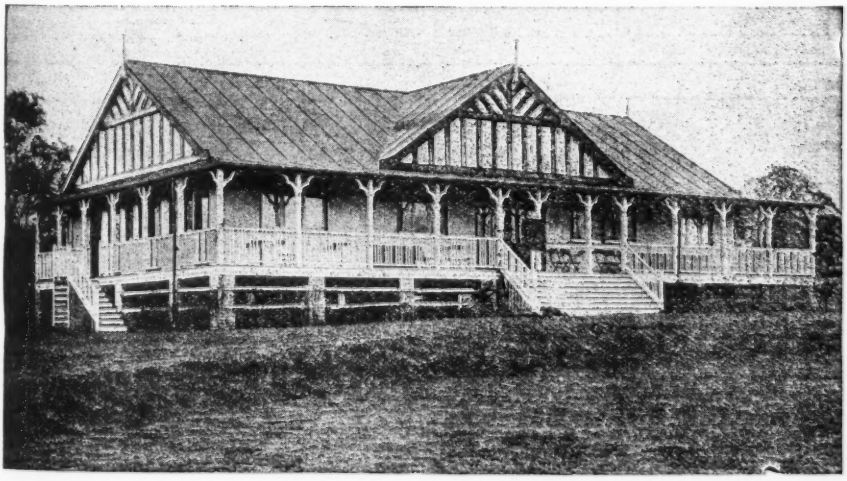
Iron Buildings—
Harbrow, W., Iron Building Works, South Bermondsey Station, London, S.E.
Humphreys, Ltd., Knightsbridge, London, S.W.
Palmer, T. W., & Co., Merton Abbey Ironworks, London, England.
Riley, G. W., Herne Hill, London, S.E.
The Tees Side Bridge & Engineering Works, Ltd., Cargo Fleet, Middlesbrough.

Ironfounders—
Saxby & Farmer, Head Offices, 53, Victoria Street, Westminster, S.W., and Works, Chippenham, Wilts.

Ironmasters—
Baird, Wm., & Co., Ltd., Gartsherrie, N.B.
Parkgate Iron and Steel Co., Ltd., Rotherham.
Stewarts & Lloyds, Ltd., Glasgow and Birmingham.
The Wigan Coal and Iron Co., Wigan.

Jam Jars—
Kennedy, H., & Sons, Barrowfield Potteries, Glasgow.

"Jodelite" Reg. Wood Preservative (Protection against White Ants and Teredo in Timber)—
Dee, Joseph, & Sons, 5, Cross Street, Manchester.



G. W. RILEY, *Herne Hill, LONDON,* Manufacturer of Portable Wood, Iron and Fire Proof Buildings for Home and Export.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Knitting Machinery—
The Harrison Patent Knitting Machine Co., Ltd., 113, Upper Brook Street, Manchester. Tel. Ad.: "Patentee," Manchester. Tel. No. 7133.

Lacquer Manufacturers—
Jackson, T. S., and Sons, Corner Wharf, Malt Street, Old Kent Road, London, S.E.

Lantern Slide Manufacturers—
York & Son, Ltd., 67, Lancaster Road, Notting Hill, London, W. T.N. Paddington 3214. T.A. "Vassalage." The subjects embrace every branch of Science and Travel, and include sets for Educational, Religious, Temperance, and Entertaining purposes.

Laundry Engineers—
Summerscales, W., & Sons, Ltd., Phœnix Foundry, Keighley, England.

Lead Glazing—
Grover & Co., Ltd., London, N.

Leather Cloth Manufacturers (Pegamoid Brand)—
New Pegamoid, Ltd., 144, Queen Victoria Street, London, E.C.

Lens Manufacturers for Ships and Railway Lamps—
Stevens, James, & Son, Birmingham.

Lifts—
Otis Elevator Co., Ltd., 4, Queen Victoria Street, London, E.C.
Waygood, R., & Co., Ltd., Falmouth Road, London, S.E.

Lime Juice—
Idris & Co., Ltd., London, N.W.

Lithographic Plates, Blanketing, and Materials—
Horsell, Frank, & Co., Ltd., Victoria Road, Holbeck, Leeds.

Locomotive Engine Builders—
Aveling & Porter, Ltd., Rochester.
Burrell, C., & Sons, Ltd., Thetford.

Looms (for all Classes of Woollen and Worsted Goods)—
Hutchinson, Hollingworth & Co., Ltd., Dobcross Loom Works, Dobcross, S.O., Yorks. Telegraphic Address: Foundry, Dobcross. Railway Station: Saddleworth, L. & N. W.

Lubricants—
Price, Charles, & Co., 13, Upper Thames Street, London, E.C.
Price's Patent Candle Co., Ltd., London, S.W.

Lubricating Oils—
How, Frank, & Co., Trogon Wharf, Stratford London, E. "Trogon" Brand.

Lustre Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

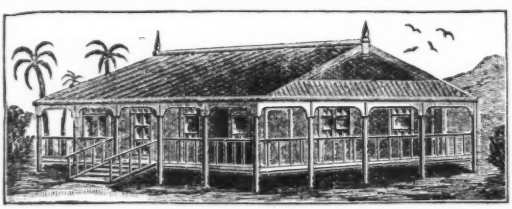
Machine Felts—
Kenyon, James, & Son, Ltd., Derby Street Mills, Bury, Lancashire.

Magnesia—
Henry, T. & W., East Street, St. Peters, Manchester.

Magnetic Separators (for separating Iron from Non-magnetic materials)—
The Rapid Magnetting Machine Co., Ltd., 18, The Crescent, Birmingham.

Mahogany and Wainscot Oak Merchants—
Walker, G. B., & Son, Bootle, Liverpool.

Makers of Gas Engines—
The Haslam Foundry and Engineering Co., Ltd., Pontifex & Wood, London, Union Foundry, Derby.



T. W. PALMER & Co.,
Merton Abbey Ironworks,
London, S.W.
ENGLAND.
CABLES: ENCLOSERS, LONDON.
Manufacturers of
BUNGALOWS, COOLIE HUTS, SUGAR FACTORIES, RICE MILLS, TEA WITHERING HOUSES, STORES, ETC.
When writing for price, give size and plan of building required.

TUBES
And FITTINGS. ⅛ inch to 4 feet DIAMETER.
STEEL PLATES. CAST IRON PIPES.
STEWARTS AND LLOYDS, LTD.,
GLASGOW, BIRMINGHAM. & LONDON.

All applications for advertisements in this Journal to be made to LAUGHTON & Co., Ltd., 3, Wellington Street, London, W.C.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Malt Extract—
The British Diamalt Co., 11 and 13, Southwark Street, London. Works: Sawbridgeworth, Herts, England.

Manganese Steel—
Edgar Allen & Co., Ltd., Imperial Steel Works, Tinsley, Sheffield.

Manufacturers of Dyed, Printed, and Woven Cotton Goods of all descriptions—
Rose, Hewitt & Co., 10, Minshull Street, Manchester.

Manufacturers of Indian and Venetian Reds, and Oxides of Iron—
The Hull and Liverpool Red Oxide Co., Ltd., Peasley Cross, St. Helens, Lancashire; and Hull.

Manures (Chemical)—
Anglo-Continental (late Ohlendorff's) Guano Works, Dock House, Billiter Street, E.C.
Chemical Works, late H. & E. Albert, 15, Philpot Lane, London, E.C.
Hedworth Barium Co., Ltd., Newcastle.
Lawes Chemical Manure Co., 59, Mark Lane, London, E.C.
North Western Cyanamide Co., Ltd., 40, Eastcheap, London, E.C.
United Alkali Co., Ltd., Liverpool.

Marble Manufacturers of all Descriptions—
Sessions & Sons, Ltd., Gloucester.

Marine Glue—
Jeffery, Alfred, & Co., Stratford, London, E. Telegrams:—Marine Glue, London.

Match Manufacturers (Safety and Paraffin)—
Moreland, S. J., & Sons, Gloucester.

Medical Plasters—
De St. Dalmas, A., & Co., Leicester.

Mercerised Brocades—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Metal Merchants and Manufacturers—
Billington & Newton, Longport, Staffs.
Delta Metal Co., Ltd., East Greenwich, London, S.E.
Dugard Bros., Bridge Street, Birmingham.

Metals and Alloys—
Blackwell, Geo. G., Sons & Co., Ltd., The Albany, Liverpool.

Mica and Micanite for Electrical Purposes—
British Mica Co., Ltd., Lebanon Road, Wandsworth.

Mills—
Kenyon, James, & Son, Ltd., Derby Street Mills, Bury, Lancashire.

Mine Owners—
Wigan Coal & Iron Co., Ltd., Wigan (Producers of Best House, Gas and Steam Coals, and Wigan Cannel).

Mineral Waters—
Idris & Co., Ltd., Camden Town, London, N.W.

BINOXIDE OF BARIUM
(For the Manufacture of Peroxide of Hydrogen),
HYDRATE OF BARYTA,
AND OTHER BARIUM COMPOUNDS.
HEDWORTH BARIUM COMPANY, LD.
NEWCASTLE-ON-TYNE.

BARROWFIELD POTTERIES, GLASGOW.
ALL OUR GLAZES
LEADLESS.

HENRY KENNEDY & SONS, Manufacturers of Glass-Lined Spirit Jars, Jam Jars, Stone Bottles and Vitrified Stoneware of every Description for Home Use and Exportation.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Moleskins—
Johnson, James, 2A, China Lane, Manchester.

Monastic Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Mosaic and Tiles Decoration—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Motor Ignition Specialists—
Vandervell, C. A., & Co., Warple Way, Acton Vale, W.

Musical Instrument Manufacturers—
Lachenal & Co., London, W.C.

Nails—
Guest, Keen & Nettlefolds, Ltd., Birmingham.

Nautical Instrument Manufacturers—
Henry Hughes & Son, Ltd., 59, Fenchurch Street, London.

Nickel Salts and Anodes—
Canning, W., & Co., Great Hampton Street, Birmingham.

Night Lights—
Price's Patent Candle Co., Ltd., London, S.W.

Oar Manufacturers—
Gardner, Joseph, & Sons, Bootle, Liverpool.

Oat Merchants—
Elsey, H. & J. G., Wholesale Corn Merchants and Exporters, Lincoln, England. Corn—Speciality Oats (Seed or Feed). T.N. 123. T.A. "Elsey."

Oatmeal Millers (Home and Export Trade)—
Hunter, John, & Son, Murrayfield Mills, Edinburgh (also Barley, Green and Split Peas, etc.).

Office Furniture
Maple & Co., Ltd., London, W.

Office Requisites—
Titan Binder Co., 31, Queen Victoria Street, E.C. T.N. 15207 Central.

Oil Mill Machinery—
Rose, Downs & Thompson, Ltd., Old Foundry, Hull, and 12, Mark Lane, London, E.C. Latest and most up-to-date systems of seed crushing, oil extraction, refining, &c.

Oil Motors (Stationary and Transport)—
Melling, J., & Co., Dashwood House, New Broad Street, London, E.C.

Oil Refiners, Distillers, and Manufacturers—
Price's Patent Candle Co., Ltd., London, S.W.

Ore Crushing Machines—
Baxter, W. H., Leeds.

Ore Importers
Westwood Macneill & Co., Government Contractors, 162, Buchanan Street, Glasgow.

Ores (Metalliferous)—
Blackwell, Geo. G., Sons & Co., Ltd., The Albany, Liverpool.

Overhead Tramway Equipment—
Wiseman, Alfred, Ltd. (The Electric Tramway Equipment Co.), Glover Street, Birmingham.

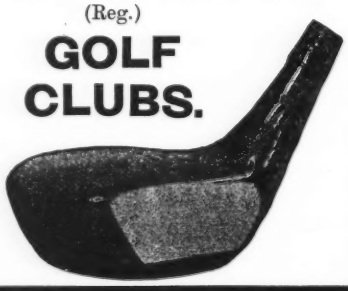
Oxfords Manufacturers—
Anderson, D. & J., Bridgeton, Glasgow.

Paint Manufacturers—
Farquhar & Gill, Aberdeen.
Hoyle, Robson, Barnett & Co., Ltd., Newcastle-on-Tyne.
Parker & Lester, London, S.E. (Antimony Paint).

Paper Bag Makers—
Crowther & Co., 115, Middlesex-street, London.

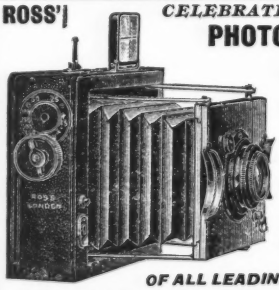
Paper Makers—
Tullis, Russell & Co., Markinch, Fife.

AUTOGRAPH
(Reg.)
GOLF CLUBS.



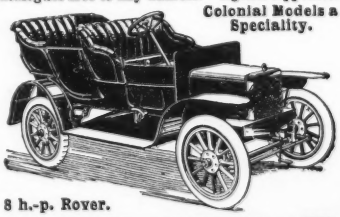
J. H. TAYLOR,
Champion Golfer 1894, 1895, 1900, 1909.
French Champion 1908, 1909.
ALL KINDS OF GOLF REQUISITES.
CANN & TAYLOR,
GOLF CLUB MANUFACTURERS,
Richmond, SURREY.
'Phone 1290 P.O. Richmond.

ROSS' *CELEBRATED* **PHOTOGRAPHIC LENSES.**



New Patent "PANROS" Camera.
OF ALL LEADING DEALERS.
Illustrated Catalogue with Full Particulars Post Free.
ROSS, Ld., Optical Works, Clapham Common, LONDON, S.W.

ROVER CARS.
From 6 to 20 h.-p.
Catalogues free to any address. Agents Appointed.
Colonial Models a Speciality.



8 h.-p. Rover.
THE ROVER COMPANY, LTD.,
Meteor Works, COVENTRY.
LONDON: 59-61, NEW OXFORD STREET, W.C.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Paper Makers and Stationers (Wholesale and Export)—
Dickinson, J., & Co., Ltd., London, E.C.
Hodgkinson, W. S., & Co., Wells, Somerset.
Strong, Hanbury & Co., Ltd., 197, Upper Thames Street, London, E.C.

Paper Manufacturers' Agents—
Legge, H. B., & Co., 81, Cannon Street, London. *Specialities.*—All grades of Kraft Browns, Greaseproofs, Sealings, M. G. Natures, Vegetable Parchments, Caps and Bag Papers, Tissues, &c., &c.

Parquet and Wood Block Flooring Manufacturers—
The Complete Wood Flooring Co., Ltd., 8-10, Stanhope Street, Euston Road, London, N.W. Telephone No. 3405 Mayfair.

Patent Fuel Machinery—
Middleton, Robert, Sheepscar, Leeds.

Patent Fuel Manufacturers and Shippers—
The Crown Preserved Coal Co., Ltd., Cardiff.

Pavement Light Lenses—
Stevens, James, & Son, Victoria Glass Works, Birmingham.

Perforated Metal—
Harvey, G. A., & Co., Lewisham, London, S.E.

Petrous Flooring Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Phosphor Bronze—
Billington & Newton, Longport, Staffs.

Photographic Lenses and Cameras—
Ross' Optical Works, 3, North Side, Clapham Common, S.W.

Pitch—
Lord, J. E. C., Borough Road, Weaste, Manchester.
Miller, James, Son & Co., 79, West Nile Street, Glasgow.
Westwood Macneill & Co., Government Contractors, 162, Buchanan Street, Glasgow.

Plate Polish—"Silveret"—
The Nubian Manufacturing Co., Lorrimore Street, London, S.E.

Player Pianos for Home and Export—
Broadwood White & Co., London Fields, London.

Points and Crossings (Railway and Tramway)—
Edgar Allen & Co., Ltd., Imperial Steel Works, Tinsley, Sheffield.

Polishing Machinery and Materials—
Canning, W., & Co., Great Hampton Street, Birmingham.

Portable Buildings—
Harrison Smith Buildings, Ltd., Vauxhall Works, Dollman Street, Birmingham. Telegrams—Bungalows, Birmingham. Telephone—1489 Central.
Riley, G. W., Herne Hill, London, S.E.

Portland Cement—
West Kent Portland Cement Co., Burham, Rochester, Kent.

Potters—
Kennedy, Henry, & Sons, Barrowfield, Glasgow.

BUILDERS' & CONTRACTORS' PLANT, Limited,
17, Victoria Street, London, S.W.
Telephone: 2682 Victoria.
Telegrams: "Mixoist," London.
STEAM FRICTION HOIST,
Gear Hoists, Portable Engines,
"ROLL" CONCRETE MIXER,
Sand and Gravel Washer, &c.
Ask for Catalogue A.

MINTON TILES
TILES
FAIENCE
MOSAIC
"BY SPECIAL APPOINTMENT TO HIS MAJESTY"
REVISED AND REDUCED PRICES.
ORIGINAL & SOLE MAKERS OF MINTON TILES
HEAD OFFICE.
MINTON HOLLINS & CO.
PATENT TILE WORKS, STOKE UPON TRENT.
LONDON OFFICE.
109, GREAT PORTLAND STREET, W

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Potters' Merchants—
Keeling & Walker, Sutherland Mills, Stoke-on-Trent, supply the Finest quality Glazes, Colours, Chemicals and Bodies for Potters.

Preservative Wood Stains (Protection against White Ants)—
Robinson Bros., Ltd., West Bromwich.

Printing Ink Manufacturers—
Horsell, Frank, & Co., Ltd., Victoria Road, Holbeck, Leeds.
Winstone, B., & Sons, Ltd., London.

Proprietary Articles, Specialities, &c.—
Dalmas, A. de St., & Co., Leicester (Medical Plaisters).
Henry's Calcined Magnesia (T. & W. Henry), Manchester.

Pulverizing Machinery—
Hartley, Causton & Richmond, Ltd., Fenton, Stoke-on-Trent (Ball Mills, &c.). Specialists in Sewage Distributors.

Quilts (Toilet, Satin, Honeycomb, and Alhambra)—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Quiltings and Piques—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Railway Appliances—
Saxby & Farmer, Ltd., Head Offices, 53, Victoria Street, Westminster, S.W., and Works, Chippenham, Wilts. (Railway Signals, &c.)

Railway Lamp Lenses—
Stevens, James, & Son, Victoria Glass Works, Dartmouth Street, Birmingham.

Railway Signals—
Saxby & Farmer, Ltd., Head Offices, 53, Victoria Street, Westminster, S.W., and Works, Chippenham, Wilts.

Refined Coal—
Miller, James, Son & Co., 79, West Nile Street, Glasgow.

Refrigerators—
Haslam Foundry and Engineering Co., Ltd., The, Derby.

Retorts—
Stevens, J., & Son, Dartmouth St., Birmingham.

Rivet, Bolt, and Nut Manufacturers—
Guest, Keen, & Nettlefolds, Ltd., Birmingham.

Rolls and Rolling Mill Machinery—
Akrill, C., & Co., Ltd., Gold's Green Foundry, West Bromwich.

Roof Glazing—
Grover & Co., Ltd., Wharf Road, City Road, London, N.

Roofing (Patent)—
Grover & Co., Ltd., Wharf Rd., City Rd., London, N.

Ropes for Driving—
Kenyon, Wm., & Sons, Ltd., Chapel Field Works, Dukinfield, near Manchester.

Rubber Heel Manufacturers—
The Palatine Heel Branch of the Leyland and Birmingham Rubber Co., Ltd., Union Street, Preston.

WM. WARNE & CO., LTD.

Amsterdam, 1869.

India-Rubber Manufacturers,

Patentees of the

MAGNETIC-CUT INDIA-RUBBER THREAD

IN COMPLETE WARPS.

Amsterdam, 1883.

RED MINERALIZED INDIA-RUBBER for Valves, Washers, etc. HOSE for Tropical Climates, etc. The new Patent Safety Filling Water Bottle.
NEW MOULDED SEAMLESS HOSE. The new Moulded Enemas. The Marvellous Tooth Brush.

Vienna, 1873.

TRADE MARKS

PATENT. MINERALIZED.

London, 1885.

The "Hand Emollient" and "Sultan's" Bath Brush. The "Prince of Wales," "Omnium Catherum," "Mineralized Corrugated," and "Crocodile" Tobacco Pouches.
ROYAL AROMATIC ELASTIC and IMPERIAL BANDS.

Manufacturers of EVERY DESCRIPTION OF INDIA-RUBBER, Sheets, Valves, Washers, Buffers, Cord, India-rubber and Canvas Packing, Delivery and Suction Hose Pipes for Fire Engines, Steam Packets, etc. Gas Tubing, Lawn Tennis Balls, Enemas, Syringes, Catheters, Water Beds, etc. The Army and Navy Regulation Coats and Cloaks. Piece Goods, Cart and Wagon Covers, Air-proof Beds, Cushions, etc. Solid India-Rubber Mats and Matting.

Paris, 1867.

London, 1862.

29, GRESHAM STREET, LONDON, E.C.

Works—**Tottenham and Barking.**

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Rubber Stamp Manufacturers—
Savage, H., 96, Old Street, London, E.C.

Sacks and Bags—
Judge, T. & W., London, E.C. (Cotton).

Sacks, Bags, Jute Hessians, Tarpaulins, Yarns—
Duncan, George, & Co., 94, Commercial Street, Dundee.

Saddlery, Harness, &c., Manufacturers—
Rawle & Son, 231/232, Blackfriars Road, London, S.E.

Safe Manufacturers—
Cotterill, Edwin, & Co., Climax Works, 36, Ludgate Hill, Birmingham.
Grove, John, & Son (late with Chubbs, London), Defiance Safe Works, Birmingham. Specialities: Seamless bent steel twelve corner Fire and Burglar-proof Safes.
Hobbs, Hart & Co., Ltd., London, N.
Milners' Safe Co., Ltd., 28, Finsbury Pavement, London, E.C.
Tann, John, 11, Newgate Street, London, E.C.
Withers, Samuel, & Co., Ltd., West Bromwich; the Old and Original Firm. Established 1843. Contractors to H.M. Government; annual output over 3,000 safes.

Safety Fuse Manufacturers—
Nobel's Explosive Co., Ltd., Glasgow.

Salt—
United Alkali Co., Ltd., 30, James Street, Liverpool.

Salt (all kinds)—
The Salt Union, Ltd., Liverpool.

Sand and Gravel Washer—
Builders and Contractors Plant, Ltd., 17, Victoria Street, London, S.W. Works, Wolff Engineering Co., Southwark. Telegrams: "Mixoist" London.

Sanitary Seats—
East Bros., Ltd., Lochee Cabinet Factory, Dundee.

Sawing and Planing Mills—
Walker, G. B., & Son, Bootle, Liverpool.

Scaffold Ties (Patent Scaffixer)—
The Patent Rapid Scaffold Tie Co., Ltd., 124, Victoria Street, London, S.W. Phone: 6030 Westminster. Telegraphic Address: "Scaffixer," London. The Premier lashing for all scaffolding work. Universally acknowledged to be the most desirable and practical acquisition to scaffolding appliances which the Building Trade has ever known. Contractors to H.M. War Office, Home Office, and Admiralty. Write for particulars.

Scaffolding—
Palmer's Travelling Cradle. The Safest Scaffold ever used. 250, Westminster Bridge Road, London, S.E. T. A.: "Wireway, London," T. N.: 1156 Hop.

Scales and Weighbridge Makers—
Wiseman, Alfred, Ltd., Glover Street, Birmingham.

Scientific Apparatus of all kinds, and Chemicals—
Reynolds & Branson, Ltd., Leeds.

Screw Hooks, Screw Eyes—
Guest, Keen, & Nettlefolds, Ltd., Birmingham.

Screws, Washers, Nails, &c.—
Guest, Keen & Nettlefolds, Ltd., Birmingham.

Seasoned Timber Merchants—
Walker, G. B., & Son, Bootle, Liverpool.

Seeds—
King, John K., & Sons, Seed Experts and Pedigree Seed Growers, Coggeshall, Essex. Cereals and Seeds for Farm and Garden, and Seed Potatoes exported to all parts of the world. Priced Catalogues on application.
Messrs. Woods, Sadd, Moore & Co., Ltd., Seed and Barley Merchants, Loddon, Norfolk.

Seeds (Agricultural)—
Le May, W. H. & H., 67, Borough High Street, London, S.E.

Sheep Dip, Poisonous and Non-Poisonous—
Kiloh & Co., Ltd., Cork, Ireland.

Sheet Metal Work—
Kenyon, Wm., & Sons, Ltd., Chapel Field Works, Dukinfield, near Manchester.

Telegrams—"Outbalance, London."
London Wall 2966. Central 12396.
JOHN PHILLIPS & SONS, Ltd.,
DIRECT IMPORTERS OF
SPONGES
Dingley Road, City Road, London, E.C.
CONTRACTORS TO H.M. GOVERNMENT.
SHIPPERS AND THE TRADE SUPPLIED.

VETERINARY INSTRUMENTS AND SUPPLIES.

Pat. Equine Mouth Gag, 42/- and 57/6 (as Illus.) Pat. Huish Castrator, 42/-. Pat. "Certes" Inseminator for Mares and Cows, 42/-. Treatise "Sterility in Mares," 1/-. Milk Fever Outfits, 5/-, 10/6, 17/6. Contractors to Home and Colonial Governments. 200 page Catalogue (3,000 Illustrations) free.
C. H. HUISH & Co.,
12 Red Lion Square, London, W.C.

JAMES HILL & CO., Ltd.,
Ironmongers & Hardware Merchants.
LYNMOUTH
NAME PLATES from 3/- each.
100a, QUEEN VICTORIA STREET, E.C.

Arthur L. Gibson & Co.
Kinnear Patent
STEEL ROLLING SHUTTER
for Warehouses, Tramcar Depots, Generating Stations, Boiler Houses, Engine Sheds, Core Ovens, Garages, &c., &c., &c.
On ADMIRALTY, WAR OFFICE, and other Government LISTS.
Radnor Works, TWICKENHAM, Eng.

SCAFFOLDING.
SCAFFIXER TIES SAVE TIME AND MONEY.
Rapidity, Efficiency and Economy.
SEE BUYERS' GUIDE.
The PATENT RAPID SCAFFOLD TIE CO., Ltd.,
124, VICTORIA ST., LONDON, S.W.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Shipping Agents—
Stott, W. H., & Co., Ltd., 17, Fenwick Street, Liverpool.

Ships' Lamp Lenses—
Stevens, James, & Son, Victoria Glass Works, Dartmouth Street, Birmingham.

Shirtings—
Anderson, D. & J., Bridgeton, Glasgow.

Shop Fittings—
Harris & Sheldon, Ltd., Stafford St., Birmingham.

Shot—
Abbey Improved Chilled Shot Company, Ltd., Newcastle-on-Tyne.

Shutters (Revolving), Gates, etc.—
Dennison, Kett & Co., Ltd. (Successors to Clark, Bunnett & Co., Ltd.), 11, Queen Victoria Street, London, E.C.

Shuttle Block Manufacturers—
Gardner, Joseph, & Sons, Bootle, Liverpool.

Slag Wool (or Silicate Cotton)—
McNeill, F., & Co., Ltd., Bunhill Row, London, E.C. Established 1833. Makers of McNeill's Patent Slag Wool, "Lion Brand." The Finest Insulating Material Extant. Supplied to the British Admiralty, and used in many of the most modern battleships.

Slate Exporters—
Tuxford, J. G., Conway, North Wales.

Slate Merchants and Manufacturers—
Davies Bros., Portmadoc, North Wales.
Sessions & Sons, Ltd., Gloucester.

Slate Working Machinery Manufacturers—
Turner Bros., Newtown, North Wales.

Smelters—
Perkins, Bertie, & Co., Swansea. Gold, Silver, Copper, Lead, Zinc.

Soap Manufacturers—
Ogston & Tennant, Ltd., Glasgow, Aberdeen and London.
Price's Patent Candle Co., Ltd., Battersea, London, S.W.
Rowe, T. B., & Co., Ltd., Thames Soap Works, Brentford, Middlesex.
The Yorkshire Dyeware and Chemical Co., Ltd., 14, Park Square, Leeds, England.

Soda—
Brunner, Mond & Co., Northwich, Cheshire.
United Alkali Co., Ltd., Liverpool.

Spinners—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Sponges (Importers & Exporters)—
Phillips, John, & Sons, Ltd., Dingley Road, City Road, London, E.C.

Sporting Cartridges—
Curtis's & Harvey, Ltd., 3, Gracechurch Street, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Spring Manufacturers—
Smith Bros. & Hill, Ltd., West Bromwich. Springs for Railway Carriage and Tramcars, Gas Engines, Grover and Thackray Washers.

Steam Coal—
Kent's, Wharncliffe Woodmoor Colliery Co., Ltd., Barnsley.

Steam Rollers—
Aveling & Porter, Ltd., Rochester, Kent.

Steamship Owners and Brokers—
Stott, W. H., & Co., Ltd., 17, Fenwick Street, Liverpool, and 7, Brazennose Street, Manchester.
The Power Steamship Co., Ltd., 158, Leadenhall Street, London, E.C.

Steel Bars for Reinforced Concrete—
Patent Indented Steel Bar Co., Ltd., Queen Anne's Chambers, Westminster, London.

Steel Bridges, Girders, Roofs, and other Steel Constructions—
The Tees Side Bridge & Engineering Works, Ltd., Cargo Fleet, Middlesbrough.

Steel Castings—
Edgar Allen & Co., Ltd., Imperial Steel Works, Tinsley, Sheffield.

Steel Castings, Steel and Iron Forgings, &c.—
Baird, W., & Co., Glasgow.
Steel Company of Scotland, Ltd., Glasgow.

POWER LINE TO MOROCCO.

Regular direct service of first-class steamers taking cargo to and from London and Gibraltar, Rabat, Larache, Melilla, Tetuan, Ceuta, Tangier, Casablanca, Mazagan, Saffi, and Mogador.

ss. PEGWELL	Closing	January 5th.	Sailing	January 6th, 1911.
ss. PENSHURST	,,	January 19th.	,,	January 20th.
ss. POUVOIR	,,	February 2nd.	,,	February 3rd.

For Rates of Freight, &c., apply to—**THE POWER STEAM SHIP COMPANY, Limited**
(James Power and Co., Managers),
158, LEADENHALL STREET, LONDON, E.C.
Telegraphic Address—"POUVOIR," London. Telephones—Post Office, 2541, City; National, 1525, Avenue.

W. H. STOTT & CO., Ltd., 17, Fenwick Street, LIVERPOOL. 7, Brazennose Street, MANCHESTER.

Steamship Owners and Brokers. **Insurance and Forwarding Agents.**

Regular Line of Steamers: MANCHESTER, LIVERPOOL, BALTIC PORTS, *& vice versa.*

TELEGRAPHIC ADDRESS: "STOTT," LIVERPOOL. TELEPHONE No. 8007 CENTRAL.
,, ,, "STETTINER," MANCHESTER. ,, ,, 2384 (PRIVATE BRANCH EXCHANGE).

SOCIETE ANONYME INTERNATIONAL DE TRANSPORTS

CONDRAND FRÈRES,

41, GREAT TOWER STREET, E.C.

Telegraphic Address: "GONDRAND."

Shipments to all parts of the World.

DAILY DEPARTURES. RATES ON APPLICATION.

W. H. & H. LE MAY,

Hop and Seed Factors,

67, Borough High St., London, S.E.

TELEGRAMS—LEMAYS, LONDON. TELEPHONE—399 HOP.

SPECIALITIES.—London Recleaned Lucerne, certified dodder free. Packers of the celebrated Hop Kiln Brand of choice New and Old Hops in ¼ and 1 lb. packets, also in 7, 14, and 28 lb. packages. Shippers and Merchants only supplied.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Steel and Iron Shafting, &c.—
Steel Company of Scotland, Ltd., Glasgow.

Steel Manufacturers—
Cargo Fleet Iron Co., Ltd., Middlesbrough-on-Tees, England.
Edgar Allan & Co., Ltd., Imperial Steel Works Tinsley, Sheffield.
Guest, Keen & Nettlefolds, Ltd., Birmingham.
Parkgate Iron and Steel Co., Ltd., Rotherham.
Steel Company of Scotland, Ltd., Glasgow.
Stewarts & Lloyds, Ltd., Glasgow and Birmingham.
The Wigan Coal and Iron Co., Wigan.
Turton Brothers & Matthews, Ltd., Sheffield.

Steel Tubes—
Stewarts & Lloyds, Ltd., Glasgow and Birmingham.

Stone Bottles—
Kennedy, H., & Sons, Barrowfield Potteries, Glasgow.

Stone Breakers—
Baxter, W. H., Ltd., Leeds.

Strong Rooms—
Hobbs, Hart & Co., Ltd., London, N.

Sulphate of Copper—
United Alkali Co., Ltd., Liverpool.

Sulphate of Soda Manufacturers—
Blythe, Wm., & Co., Ltd., Church, Lancs.
United Alkali Co., Ltd., Liverpool.

Sulphuric Acid Manufacturers—
Blythe, Wm. & Co., Ltd., Church, Lancs.
United Alkali Co., Ltd., Liverpool.

Sulphuric Acid Manufacturers' Retorts—
Stevens, J., & Sons, Birmingham.

Surgical Dressing Manufacturers—
Smith, T. J., & Nephew, Ltd., 10/11, North Church Side, Hull. (Absorbent Wool, Gauzes plain and impregnated, Bandages.)

Surgical Seamless Goods Manufacturers—
Harris & Co., Joseph, Altrincham.

Surveying Instrument Makers—
Stanley, W. F., & Co., Ltd., Great Turnstile Holborn, London, W.C.

Syphons and Seltzogenes—
Idris & Co., Ltd., Camden Town, London, N.W.

Table Salt—
The Salt Union, Ltd., Liverpool.

Table Waters—
Idris & Co., Ltd., Camden Town, London, N.W.

Tank Makers—
Harvey, G. A., & Co., Lewisham, London, S.E.

Tar and Rosin Distillers—
Brotherton & Co., Leeds.

Tar Distillers—
Crow, Thomas, & Sons, West Ham and Barking, London.
Westwood Macneill & Co., Government Contractors, 162, Buchanan Street, Glasgow.

Tar Products—
Westwood Macneill & Co., Government Contractors, 162, Buchanan Street, Glasgow.

Tar Spraying & Tarring Machines, & Tar Boilers, &c.—
Phœnix Engineering Co., Ltd., Chard, Eng.

Tea Merchants—
Brooke, Bond & Co., Ltd. (Foreign Dept.), 17–18, St. Dunstan's Hill, London, E.C.; also at Calcutta and Colombo. Original and packet teas of every description.
Tower Tea Co., Ltd., London, E.C.
The Indian Planters' Combination, 5, Fenchurch Street, London, E.C.

CLEANING WASTE

OF EVERY DESCRIPTION.

Bleachers and Manufacturers of

Cotton Waste, Sponge Cloths, Lamp Wicks, &c.

Samples and Quotations free on application. Indents through Merchants.

SPENCER & CUREDALE, Limited,

Cable Address—"Bleach, Bury, England."
Codes used—
A B C, 4th & 5th Editions & A 1.

Bury Ground Works,
BURY, LANCASHIRE, ENGLAND.

TELEGRAPHIC ADDRESS: JONBRO, MANCHESTER.

JONES BROTHERS, LIMITED,

SPINNERS AND MANUFACTURERS,

12, York Street, MANCHESTER.

MUSLINS, LAWNS, NAINSOOKS, INDIA LINONS, CAMBRICS, SATTEENS, etc. SHIRTINGS, TWILLS, DRILLS, HERRINGBONES, GALATEAS, CARNADOS, CAMPANIAS, FANCY DUCKS, FANCY MUSLINS and BROCADES, COTTON and MIXED DRESS GOODS, HANDKERCHIEFS, "MERSILKA," etc.

WHITE, DYED, PRINTED and MERCERISED.

The "SELVYT" Brand Dusters and Specialities,
The "VELUNA" Cloth for Litho. Printing,
The "ALYTA" Waterproof Fabrics,
The "BERGERETTE" Cloth for General Upholstery.

ESTO SOL TESTIS
REGISTERED TRADE MARK.

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Telegraph Engineers—
Bullers, Ltd. (Porcelain Insulators), 6, Laurence Pountney Hill, London, E.C.
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C.
Hooper's Telegraph and India-rubber Works, Ltd., London, E.C.

Textile Manufacturers—
Kelsall & Kemp, Ltd., Rochdale.

Thick Coal—
Kent's, Wharncliffe Woodmoor Colliery Co., Ltd., Barnsley.

Tiles—
Minton-Hollins & Co., Patent Tile Works, Stoke-on-Trent.

iles (Encaustic Floor and Glazed)—
Boote, T. & R., Ltd., Waterloo Potteries and The Patent Tile Works, Burslem.

Tiles, Tesselated and Glazed—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Timber—
Wright & Co., Maritime Buildings, Newcastle-on-Tyne. Importers. Telegraph Address—"Broking." Branch at Hull. Telegraph Address—"Deals."

Timber Merchants, Importers and Exporters—
Howard, W. W., Bros. & Co., Tower House, 40, Trinity Square, London, E.C. Telegrams—"Honduras," London. Telephone No. 3140 Central.

Timber Merchants and Importers—
Gardner, Joseph, & Sons, Liverpool.
Vigers Bros., 67, King William Street, E.C. Telegraphic Address — Vigentes, London. Telephone—601 and 602 Avenue; 311 Central.
Walker, G. B., & Son, Bootle, Liverpool.

ools—
The Pinithole Wrench Co., Cross Street 55 Manchester.

Towels—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Trace Chains, "Tiger Brand"—
Jones, Thomas P., & Co., Old Hill, Staffs, England.

Traction Engines—
Aveling & Porter, Ltd., Rochester.

Tubes and Fittings—
Dugard Bros., Birmingham.
Jones, Thomas P., Atlas Tube Works, Netherton, near Dudley.
Spencer, John, Ltd., Globe Tube Works, Wednesbury.
Stewarts & Lloyds, Ltd., Birmingham.

Tubing (Weldless Steel)—
Stewarts & Lloyds, Ltd., Glasgow and Birmingham.
The British Mannesmann Tube Co., Ltd., Salisbury House, London Wall, London, E.C.

Type, Lino and Stereo Metals—
Blackwell, Geo. G., Sons & Co., Ltd., The Albany, Liverpool.

Varnish Manufacturers—
Jackson, T. S., & Sons, Corner Wharf, Malt Street, Old Kent Road, London, S.E.
Parker & Lester, London, S.E. (Parker's Imperial Black).

Vegetable Colours—
Confectioners' Vegetable Colour and Fruit Essences Co., Ltd., The, London, N.E.

SHOT MANUFACTURERS.
Abbey Improved Chilled Shot Company, Ltd.,
NEWCASTLE-ON-TYNE.
Makers of Chilled Hard and Patent Shot. (Wholesale only.)

CARTRIDGES, SPORTING (ABBEYRITE BRAND).
Loaded by the
Abbey Improved Chilled Shot Company, Ltd.,
NEWCASTLE-ON-TYNE.
Makers of Chilled Hard and Patent Shot. (Wholesale only.)

WRINCH & SONS, Ipswich

Makers of
STEEL BARROWS
Mining, Railway & Contractors' Work

COTTON BAGS
FOR ALL PURPOSES.
W. H. FELTHAM & SON,
Imperial Works, Tower Bridge Rd., LONDON; And MANCHESTER.

BERTIE PERKINS & CO.,
SWANSEA, SOUTH WALES.
Buyers of Copper, Silver, Gold, Lead, Tin, Zinc, and other Ores. Copper, Silver, Tin, Lead, Zinc, Ashes, Hard Spelter and Residues. Also Old Copper, Scrap Copper, &c.
BANKERS: LLOYDS BANK, LTD., SWANSEA.

CARGO FLEET IRON Co., Ltd.
HIGH TENSILE STEEL
MANUFACTURERS OF—Siemen's Open Hearth Basic (Talbot) Steel Rails, Fishplates, Shipbuilding and Constructional Sections, Piling, etc.
Specialities: Broad Flange Beams and 18 in., 20 in., and 24 in. Joists.
The above sections are rolled in High Tensile Steel in addition to British Standard quality.
MIDDLESBROUGH-ON-TEES, ENGLAND.

GLUE and SIZE.
CELICO (Regd.) Sanitary Distemper.
Send for Prices to the Manufacturers,
W. BROCKWELL & SONS,
175, Bermondsey St., LONDON, S.E.

HIGH-CLASS ENGINEERING ALLOYS:
DICK'S PATENT EXTRUDED METALS:
BRASS, BRONZE, YELLOW METAL, COPPER, &c.
DELTA METAL
On the Lists of Contractors to—
The Admiralty, War Office, India Office, Post Office, Crown Agents for the Colonies, &c.
The DELTA METAL CO., Ld., ***Delta Works, EAST GREENWICH, LONDON, S.E.***
(And at BIRMINGHAM).

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 2s. each per week.

Ventilation and Air Purification—
Ozonair, Ltd., 96, Victoria Street, London, S.W. T.N, Victoria 12. T.A. Ozonair. Ozonair system ensures pure air. In use all over the World; Highest Awards at all Exhibitions.

Veterinary Instruments and Supplies—
Huish, C. H., & Co., 12, Red Lion Square, London, W.C.

Victoria Lawns and Nainsooks—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Washing, Wringing and Mangling Machine Makers—
Summerscales, W., & Sons, Ltd., Coney Lane, Keighley, England.

Watch and Clock Manufacturers—
Dent, M. F., & Co. (to the Queen), 33 & 34, Cockspur Street, London.

Water Finders—
Mansfield, W., & Co., Creewood Engineering Works, Brunswick Street, Liverpool.

Water Taps—
Palatine Engineering Co., Ltd., Liverpool.

Webbing and Horse Clothing Manufacturers—
Bird, R., & Co., Crewkerne, Somerset.

Weldless Iron and Steel Nuts, Bolts, &c.—
Blakemore & Co., Ltd., Atherton, near Manchester.

Welsh Slates—
Williams, Richard, & Co., The Slate Works, Portmadoc, Carnarvonshire.

Whistles—
A. De Courcy & Co., Frankfort Street, Birmingham. (Police and Railway Guards, &c.)

Windmill Pumps, Tanks and Piping—
Rickman & Co., 35, Walbrook, E.C.

Wine and Spirit Merchants—
Dailuaine-Talisker Distilleries, Ltd., Head Offices, 50, Wellington Street, Glasgow (Whisky from solely pure Malt).
Crawford, Daniel, & Son, Ltd., Glasgow.
Distillers Co., Ltd. (The Edinburgh "D.C.L." Whisky and Gin).
Thorne, R., & Sons, Ltd., Greenock and London.

Wire and Hemp Ropes and Lightning Conductor Manufacturers—
Dixon & Corbitt and R. S. Newall & Co., Ltd., 130, Strand, London, W.C.

Wire Manufacturers—
Dugard Bros., Birmingham (Brass and Copper).
Guest, Keen & Nettlefolds, Ltd., Birmingham (Wire Nails, Rods, Bars, Hoops, &c.)
Smith, Frederick, & Co., Anaconda Works, Salford, Manchester. (H.C. Copper Wire. Trolley Wire. Bronze Telephone Wire.)

Wire Netting Manufacturers—
Boulton and Paul, Ltd., Rose Lane Works, Norwich.

Wire Workers—
Harvey, G. A. & Co., Lewisham, London, S.E.

Wood Block Flooring—
Gardner, Joseph, & Sons, Bootle, Liverpool.
Vigers Bros., Timber Merchants, 67, King William Street, E.C. Telegraphic Address—Vigentes, London. Telephone—601 and 602, Avenue; 311 Central.

Wood Preservative, "Jodelite" Reg.—
Dee, Joseph, & Sons, 5, Cross Street, Manchester.

Wood Pulp—
Becker & Co., Ltd., 64, Cannon St., London, E.C.

Wood Stains—
Jackson, T. S., & Sons, Corner Wharf, Malt Street, Old Kent Road, London, S.E.

Woollen, Cotton, and Linen Cloths for Machinery—
Kenyon, James, & Son, Ltd., Derby Street Mills, Bury.

Woollen, Linen, and Cotton Cloths for Mechanical purposes—
Porritt, Joseph, and Sons, Helmshore, near Manchester. Telephone No. 4. Telegraphic Address, Porritt, Helmshore.

Worsted Suiting Manufacturers—
Dickinson, Herbert (and Mcht. of all classes of Textiles), 5 and 7, Northumberland Street, Huddersfield. T.N. 301. T.A. "Dickinson."

Woollen Warehousemen and Manufacturers—
Kelsall & Kemp, Ltd., Rochdale.

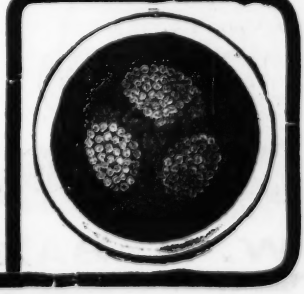
Worsted and Woollen Yarns—
Ambler, Thos., & Sons, Atlas Mills, Bradford.

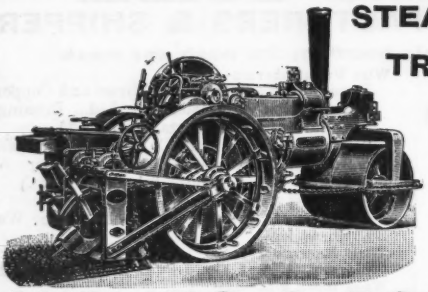
Yarn Spinners—
Hollins, Wm., & Co., Ltd., Pleasley Works, Mansfield, Notts.

Zephyr Cloth Manufacturers—
Anderson, D. & J., Bridgeton, Glasgow.

Telegraphic Address:—"VULCAN, BIRMINGHAM."
DUGARD BROS.,
MANUFACTURERS OF ALL KINDS OF
ROLLED METALS, WIRE, AND TUBES,
VULCAN MILLS, BIRMINGHAM.

W. T. HENLEY'S TELEGRAPH WORKS CO., LTD.
INSULATED CABLES FOR
ELECTRIC LIGHTING,
HOUSE-WIRING,
POWER-TRANSMISSION, &c.
BLOMFIELD STREET, LONDON, E.C.





STEAM ROAD ROLLERS,
TRACTION ENGINES,
ROAD LOCOMOTIVES,
STEAM WAGONS,
TRACTORS,
PORTABLES, &c.

AVELING & PORTER, LTD., ROCHESTER, KENT.

THE "PARAFF" OIL ENGINE.

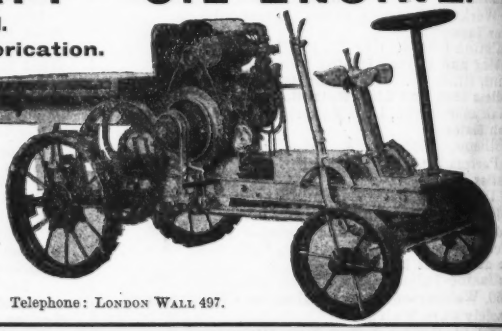
Water or Air Cooled.
Electric Ignition Splash Lubrication.

Works with ordinary
Paraffin, Petrol or Alcohol.

Made in various sizes, 4 to 40 b.h.p.

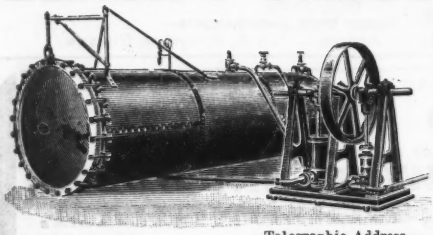
Prices low, which can be had on application to

JAMES MELLING & CO.
Dashwood House,
LONDON, E.C.



Telegrams: "Negotors, London." Telephone: London Wall 497.

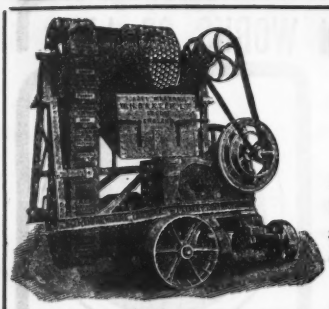
BLACK'S CREOSOTING PLANT



SUITABLE for ESTATES & TIMBER TRADES.
Consisting of PRESSURE CYLINDER, OIL TANK, and SET OF SELF-CONTAINED PUMPS.
Full information and prices given on application.
Suitable Oil for Creosoting Supplied.
Also Creosoting Tanks, for steeping timber in hot or cold oil, and all necessary fittings.

GEORGE BLACK & SONS,
Creosoting Engineers & Creosote Oil Merchants,
Tweedmouth Boiler Works,
BERWICK-ON-TWEED.

Established 1700. Telegraphic Address—"Boilers, Berwick."



BAXTER'S Patent Improved Knapping Motion Stone Breakers

Are adopted by the leading RAILWAY, HARBOUR, DOCK, and WATERWORKS CONTRACTORS and supplied to more CORPORATIONS and COUNTY COUNCILS than all other makers put together.

Sole Makers:

W. H. BAXTER, Ltd., LEEDS.

1910

S,

R,

d

R,
nd
TY

Guest, Keen & Nettlefolds,

LIMITED,

BIRMINGHAM,

MANUFACTURERS OF

The Patent Pointed Woodscrews, Coach Screws, Stove, Machine, and Set Screws. Galvanized Roofing Screws, Bolts and Nuts. Rivets, Chisel, and Pencil-Pointed Nails. Carriage Bolts and Nuts. Tyre, Sleigh, and Stove Bolts and Nuts. Tyre Nails, Rivets, and Burrs. Gate Hooks and Eyes. Screw Rings, Screw Hooks, and Screw Eyes of all kinds. Hat and Coat Hooks, Cotter Pins. Rivets of all descriptions. Countersunk Clout Nails, Tram Spikes, Copper Nails, Rivets, &c.

ALSO OF

Iron and Steel Wire, Oval and Round Wire Nails, Boot Rivets, Panel Pins and Staples of all descriptions;

AND AT THEIR

STEEL WORKS, NEWPORT, MON.,

Wire Rods, Round, Square, Flat, Half-Round, Oval, and Half-Oval Bars and Rods in Mild Steel.

Steel Hoops of all descriptions for Baling and other purposes.

FURTHER PARTICULARS AND TERMS CAN BE OBTAINED THROUGH THE MERCHANTS.

The

ROYAL EDISWAN METAL FILAMENT

Lamp: New (1910) Pattern:

is made by the

Best and Biggest British Makers.

THE EDISON & SWAN UNITED ELECTRIC LIGHT COMPANY, LD.,

Ediswan Buildings, Queen St., London, E.C.

SUSSEX RUBBER CO.

Rubber Heel and Tip - - Manufacturers

Special Terms to Dealers and Buyers for Oversea Markets.

Highest Quality, Lowest Prices.

Send for Samples & Price Lists.

32, HOUNDSDITCH, LONDON, E.C.

Telegrams: NONPLEX, LONDON.

MACHINE MADE BRASS and IRON JACK CHAIN.

For Scales, Lamps, Chandeliers, &c.

Wire Weaving of Every Description.

Fencing, Netting, and Bell Staples.

WIRE WORK FOR ALL PURPOSES

Cotters, Gimp, Escutcheon and Panel Pins, Shoe Rivets.

G. BAKER,
Cecil Street Wire Works, Birmingham.

GOLD MEDALS 1872 AND 1851.
ESTABLISHED 1840.
TELEGRAMS—WEAVING, BIRMINGHAM.

CHAPMAN'S GRAPHITE

AND GRAPHITE PRODUCTS,

MUNTON ROAD, LONDON, S.E.

Davison's Anti-Corrosive Composition

READY FOR USE.

H. DAVISON & SONS, Ltd.,
Established 1832.
Paint Manufacturers, Oil Boilers, &c.,
Carpenter's Row, Wapping,
Telephone: 4220 Bank. *LIVERPOOL.*
Telegrams: "Davison, Wapping."

For Protection of all Iron and Steel Work.
CASOMETERS, BRIDGES, TANKS, TOWERS, ROOFS, RAILWAYS, COLLIERIES, BREWERIES, GAS and WATER WORKS.

Printed by JAS. TRUSCOTT & SON, LTD., London, E.C.

1910

SES

ers,
p,
eon
ins,

,
e
m.

1.

AM.

E.